

GLOBAL INDUSTRY CLASSIFICATION STANDARD (GICS®) METHODOLOGY

Guiding Principles and Methodology for GICS

March 2023

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Outline of the GICS® Methodology Book

This Methodology book primarily provides details on the guidelines used by both MSCI and S&P Dow Jones Indices to assign Global Industry Classification Standard (GICS®) to companies that have issued equity securities.

Section 1 introduces GICS and its philosophy and objectives.

Section 2 details the eligibility for GICS classification.

Section 3 explains the guidelines used by MSCI and S&P Dow Jones Indices to classify companies that have issued equity securities under the GICS framework.

Section 4 details the review of GICS at the company level.

Section 5 explains the GICS Structure Review process undertaken by MSCI and S&P Dow Jones Indices to ensure that the GICS Structure remains relevant and up-to-date.

Section 6 highlights GICS governance policy that includes the GICS Operations Committee, with members from both MSCI and S&P Dow Jones Indices.

Section 7 details the GICS Sub-Industry level definitions.

Section 8 details MSCI's guidelines for leveraging GICS for the classification of companies that have issued corporate bonds.

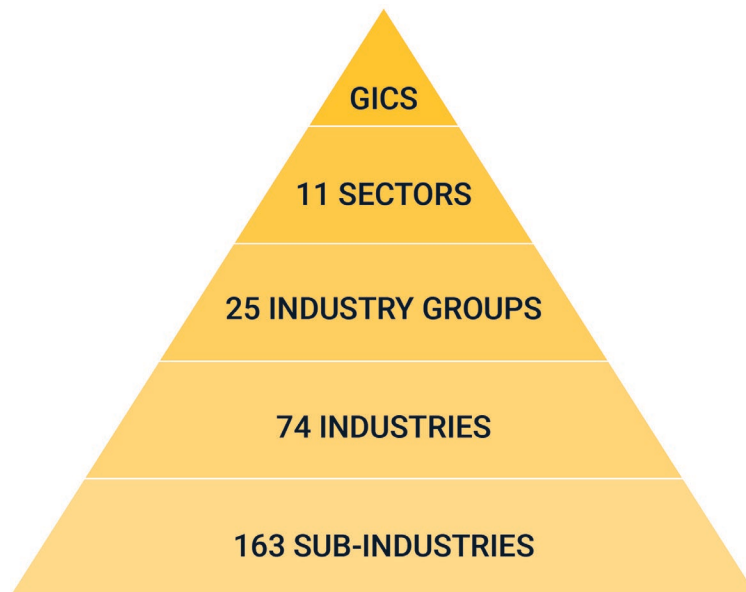
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Section 1: Introduction

In 1999, the Global Industry Classification Standard (GICS) was developed by MSCI in collaboration with S&P Dow Jones Indices to provide an efficient, detailed and flexible tool for use in the investment process. It is designed to respond to the global financial community’s need for a global, accurate, complete and widely accepted approach to defining industries and classifying securities by industry. Its universal approach to industry classification aims to improve transparency and efficiency in the investment process.

The key features of the GICS Structure are that it is:

- Universal: the Structure applies to companies globally.
- Reliable: the Structure correctly reflects the current state of industries in the equity investment universe.
- Flexible: the Structure offers four levels of analysis, ranging from the most general Sector to the most specialized Sub-Industry.
- Evolving: Annual Reviews are conducted by MSCI and S&P Dow Jones Indices to ensure that the Structure remains fully representative of today’s global markets.
- The GICS Structure presented in this document is the latest Structure post our recent major reviews that included the creation of a new Sector for Real Estate that was carved out from the Financials Sector and transformation of the Telecommunication Services Sector as the Communication Services Sector.



1.1 Overview of GICS

To provide the level of precision critical in the investment process, the GICS is designed with four levels of classifications that includes 11 Sectors, 25 Industry Groups, 74 Industries, and 163 Sub-Industries.

The GICS has 11 Sector classifications:

- Energy
- Materials
- Industrials
- Consumer Discretionary
- Consumer Staples
- Health Care
- Financials
- Information Technology
- Communication Services
- Utilities
- Real Estate

GICS classifications can be presented in either text or numeric formats. The complete GICS classification for each company is an 8-digit code with text description. The hierarchical design of the 8-digit coding system allows for easy transition between GICS tiers.

Definitions of GICS Sub-Industries are provided in Section 7.

1.2 The GICS Structure

10 Energy

1010 Energy

- 101010 Energy Equipment & Services**
 - 10101010 Oil & Gas Drilling
 - 10101020 Oil & Gas Equipment & Services
- 101020 Oil, Gas & Consumable Fuels**
 - 10102010 Integrated Oil & Gas
 - 10102020 Oil & Gas Exploration & Production
 - 10102030 Oil & Gas Refining & Marketing
 - 10102040 Oil & Gas Storage & Transportation
 - 10102050 Coal & Consumable Fuels

15 Materials

1510 Materials

- 151010 Chemicals**
 - 15101010 Commodity Chemicals
 - 15101020 Diversified Chemicals
 - 15101030 Fertilizers & Agricultural Chemicals
 - 15101040 Industrial Gases
 - 15101050 Specialty Chemicals
- 151020 Construction Materials**
 - 15102010 Construction Materials
- 151030 Containers & Packaging**
 - 15103010 Metal, Glass & Plastic Containers
 - 15103020 Paper & Plastic Packaging Products & Materials
- 151040 Metals & Mining**
 - 15104010 Aluminum
 - 15104020 Diversified Metals & Mining
 - 15104025 Copper
 - 15104030 Gold
 - 15104040 Precious Metals & Minerals
 - 15104045 Silver
 - 15104050 Steel
- 151050 Paper & Forest Products**
 - 15105010 Forest Products
 - 15105020 Paper Products

20 Industrials

2010 Capital Goods

- 201010 Aerospace & Defense**
20101010 Aerospace & Defense
- 201020 Building Products**
20102010 Building Products
- 201030 Construction & Engineering**
20103010 Construction & Engineering
- 201040 Electrical Equipment**
20104010 Electrical Components & Equipment
20104020 Heavy Electrical Equipment
- 201050 Industrial Conglomerates**
20105010 Industrial Conglomerates
- 201060 Machinery**
20106010 Construction Machinery & Heavy Transportation Equipment
20106015 Agricultural & Farm Machinery
20106020 Industrial Machinery & Supplies & Components
- 201070 Trading Companies & Distributors**
20107010 Trading Companies & Distributors

2020 Commercial & Professional Services

- 202010 Commercial Services & Supplies**
20201010 Commercial Printing
20201050 Environmental & Facilities Services
20201060 Office Services & Supplies
20201070 Diversified Support Services
20201080 Security & Alarm Services
- 202020 Professional Services**
20202010 Human Resource & Employment Services
20202020 Research & Consulting Services
20202030 Data Processing & Outsourced Services

2030 Transportation

- 203010 Air Freight & Logistics**
20301010 Air Freight & Logistics
- 203020 Passenger Airlines**
20302010 Passenger Airlines
- 203030 Marine Transportation**
20303010 Marine Transportation
- 203040 Ground Transportation**
20304010 Rail Transportation
20304030 Cargo Ground Transportation
20304040 Passenger Ground Transportation
- 203050 Transportation Infrastructure**
20305010 Airport Services
20305020 Highways & Railtracks
20305030 Marine Ports & Services

 **25 Consumer Discretionary**

2510 Automobiles & Components

- 251010 Automobile Components**
 - 25101010 Automotive Parts & Equipment
 - 25101020 Tires & Rubber
- 251020 Automobiles**
 - 25102010 Automobile Manufacturers
 - 25102020 Motorcycle Manufacturers

2520 Consumer Durables & Apparel

- 252010 Household Durables**
 - 25201010 Consumer Electronics
 - 25201020 Home Furnishings
 - 25201030 Homebuilding
 - 25201040 Household Appliances
 - 25201050 Housewares & Specialties
- 252020 Leisure Products**
 - 25202010 Leisure Products
- 252030 Textiles, Apparel & Luxury Goods**
 - 25203010 Apparel, Accessories & Luxury Goods
 - 25203020 Footwear
 - 25203030 Textiles

2530 Consumer Services

- 253010 Hotels, Restaurants & Leisure**
 - 25301010 Casinos & Gaming
 - 25301020 Hotels, Resorts & Cruise Lines
 - 25301030 Leisure Facilities
 - 25301040 Restaurants
- 253020 Diversified Consumer Services**
 - 25302010 Education Services
 - 25302020 Specialized Consumer Services

2550 Consumer Discretionary Distribution & Retail

- 255010 Distributors**
 - 25501010 Distributors
- 255030 Broadline Retail**
 - 25503030 Broadline Retail
- 255040 Specialty Retail**
 - 25504010 Apparel Retail
 - 25504020 Computer & Electronics Retail
 - 25504030 Home Improvement Retail
 - 25504040 Other Specialty Retail
 - 25504050 Automotive Retail
 - 25504060 Homefurnishing Retail

30 Consumer Staples

3010 Consumer Staples Distribution & Retail

- 301010** **Consumer Staples Distribution & Retail**
 - 30101010 Drug Retail
 - 30101020 Food Distributors
 - 30101030 Food Retail
 - 30101040 Consumer Staples Merchandise Retail

3020 Food, Beverage & Tobacco

- 302010** **Beverages**
 - 30201010 Brewers
 - 30201020 Distillers & Vintners
 - 30201030 Soft Drinks & Non-alcoholic Beverages
- 302020** **Food Products**
 - 30202010 Agricultural Products & Services
 - 30202030 Packaged Foods & Meats
- 302030** **Tobacco**
 - 30203010 Tobacco

3030 Household & Personal Products

- 303010** **Household Products**
 - 30301010 Household Products
- 303020** **Personal Care Products**
 - 30302010 Personal Care Products

35 Health Care

3510 Health Care Equipment & Services

- 351010** **Health Care Equipment & Supplies**
 - 35101010 Health Care Equipment
 - 35101020 Health Care Supplies
- 351020** **Health Care Providers & Services**
 - 35102010 Health Care Distributors
 - 35102015 Health Care Services
 - 35102020 Health Care Facilities
 - 35102030 Managed Health Care
- 351030** **Health Care Technology**
 - 35103010 Health Care Technology

3520 Pharmaceuticals, Biotechnology & Life Sciences

- 352010** **Biotechnology**
 - 35201010 Biotechnology
- 352020** **Pharmaceuticals**
 - 35202010 Pharmaceuticals
- 352030** **Life Sciences Tools & Services**
 - 35203010 Life Sciences Tools & Services

● **40 Financials**

4010 Banks

- 401010 Banks**
 - 40101010 Diversified Banks
 - 40101015 Regional Banks

4020 Financial Services

- 402010 Financial Services**
 - 40201020 Diversified Financial Services
 - 40201030 Multi-Sector Holdings
 - 40201040 Specialized Finance
 - 40201050 Commercial & Residential Mortgage Finance
 - 40201060 Transaction & Payment Processing Services
- 402020 Consumer Finance**
 - 40202010 Consumer Finance
- 402030 Capital Markets**
 - 40203010 Asset Management & Custody Banks
 - 40203020 Investment Banking & Brokerage
 - 40203030 Diversified Capital Markets
 - 40203040 Financial Exchanges & Data
- 402040 Mortgage Real Estate Investment Trusts (REITs)**
 - 40204010 Mortgage REITs

4030 Insurance

- 403010 Insurance**
 - 40301010 Insurance Brokers
 - 40301020 Life & Health Insurance
 - 40301030 Multi-line Insurance
 - 40301040 Property & Casualty Insurance
 - 40301050 Reinsurance

45 Information Technology

4510 Software & Services

- 451020 IT Services**
 - 45102010 IT Consulting & Other Services
 - 45102030 Internet Services & Infrastructure
- 451030 Software**
 - 45103010 Application Software
 - 45103020 Systems Software

4520 Technology Hardware & Equipment

- 452010 Communications Equipment**
 - 45201020 Communications Equipment
- 452020 Technology Hardware, Storage & Peripherals**
 - 45202030 Technology Hardware, Storage & Peripherals
- 452030 Electronic Equipment, Instruments & Components**
 - 45203010 Electronic Equipment & Instruments
 - 45203015 Electronic Components
 - 45203020 Electronic Manufacturing Services
 - 45203030 Technology Distributors

4530 Semiconductors & Semiconductor Equipment

- 453010 Semiconductors & Semiconductor Equipment**
 - 45301010 Semiconductor Materials & Equipment
 - 45301020 Semiconductors

50 Communication Services

5010 Telecommunication Services

- 501010 Diversified Telecommunication Services**
 - 50101010 Alternative Carriers
 - 50101020 Integrated Telecommunication Services
- 501020 Wireless Telecommunication Services**
 - 50102010 Wireless Telecommunication Services

5020 Media & Entertainment

- 502010 Media**
 - 50201010 Advertising
 - 50201020 Broadcasting
 - 50201030 Cable & Satellite
 - 50201040 Publishing
- 502020 Entertainment**
 - 50202010 Movies & Entertainment
 - 50202020 Interactive Home Entertainment
- 502030 Interactive Media & Services**
 - 50203010 Interactive Media & Services

55 Utilities

5510 Utilities

- 551010 Electric Utilities**
55101010 Electric Utilities
- 551020 Gas Utilities**
55102010 Gas Utilities
- 551030 Multi-Utilities**
55103010 Multi-Utilities
- 551040 Water Utilities**
55104010 Water Utilities
- 551050 Independent Power and Renewable Electricity Producers**
55105010 Independent Power Producers & Energy Traders
55105020 Renewable Electricity

60 Real Estate

6010 Equity Real Estate Investment Trusts (REITs)

- 601010 Diversified REITs**
60101010 Diversified REITs
- 601025 Industrial REITs**
60102510 Industrial REITs
- 601030 Hotel & Resort REITs**
60103010 Hotel & Resort REITs
- 601040 Office REITs**
60104010 Office REITs
- 601050 Health Care REITs**
60105010 Health Care REITs
- 601060 Residential REITs**
60106010 Multi-Family Residential REITs
60106020 Single-Family Residential REITs
- 601070 Retail REITs**
60107010 Retail REITs
- 601080 Specialized REITs**
60108010 Other Specialized REITs
60108020 Self-Storage REITs
60108030 Telecom Tower REITs
60108040 Timber REITs
60108050 Data Center REITs

6020 Real Estate Management & Development

- 602010 Real Estate Management & Development**
60201010 Diversified Real Estate Activities
60201020 Real Estate Operating Companies
60201030 Real Estate Development
60201040 Real Estate Services

1.3 Philosophy and objectives of GICS

The way in which securities are classified into asset classes forms the basis of many important investment decisions. The relative merits of each security are judged primarily within these asset classes, and investment decisions are taken within this framework.

APPROACHES TO INDUSTRY CLASSIFICATION SCHEMES

Grouping companies based on industries is not a relatively straightforward task as multiple factors need to be evaluated in determining the classification that aptly reflects the business model of the company as well as adds value to the investment process. There are many approaches to developing industry classification schemes, some of which are discussed below.

At one extreme is the purely statistical approach, which is solely financial market- based and backward looking, using past returns. Aggregations are formed around correlation, often yielding non-intuitive groupings that are dissimilar across countries and regions. Another approach attempts to define a priori financial market-oriented groups or themes, such as cyclical, interest rate sensitive, etc. The difficulty, however, lies in finding widely accepted and relatively stable definitions for these themes.

Two other approaches begin with an economic perspective on companies. The first focuses on a production orientation while the other adopts a market or demand orientation in company analysis. The production-oriented approach was effective in the past in its analysis of the microstructure of industries from the producers' standpoint. For instance, it segregated goods and services on the premise that it was a different set of companies that provided each to consumers. As the structure of the global economy evolved, limitations of this approach became increasingly obvious. The ever-increasing share of discretionary income brought about by economic development, emergence of the service era, and the availability and accessibility of information with the advent of new communication technology has moved the emphasis from producers to consumers.

THE GICS: MARKET DEMAND-ORIENTED

The Global Industry Classification Standard is designed to be market demand- oriented in its analysis and classification of companies. For example, drawing the line between goods and services is becoming increasingly arbitrary as they are now commonly sold together. This distinction between goods and services is replaced by adopting the more market-oriented Sectors of "Consumer Discretionary" and "Consumer Staples", which group goods and services Sub-Industries.

In addition, the creation of large stand-alone Sectors such as Health Care, Information Technology and Communication Services accurately represents industries that provide significant value to the consumer in today's global and integrated economy. This further contributes to a more uniform distribution of weights among the 11 GICS Sectors.

Section 2: Companies Eligible for GICS Classification

Companies that have issued equity securities are eligible for a GICS classification.

If a company's subsidiary files separate financials to its reporting government agency, that subsidiary is considered a separate entity and classified independently under the GICS Methodology.

GICS is not assigned to supranationals, municipals, sovereigns, shell companies, mutual funds, or exchange traded funds.

Section 3: Guidelines for GICS Classification

The GICS is strictly hierarchical and thus a company can only belong to one grouping at each of the four levels.

3.1 Classification by revenue and earnings

In order to provide an accurate, complete and long-term view of the global investment universe, a company’s revenues often provide a more stable and precise reflection of its activities than earnings. Furthermore, industrial and geographical breakdowns of revenues are more commonly available than earnings broken down the same way for most companies. Nevertheless, company valuations are more closely related to earnings than revenues. Therefore, earnings remain an important secondary consideration in a company’s Industry Classification. In addition to revenue and earnings, market perception is also recognized as relevant for classification purposes.

As a general rule, a company is classified in the Sub-Industry whose definition most closely describes the business activities that generate more than 60% of the company’s revenues.

Example: Amazon.com, Inc.

2022 fiscal year	Sales
Online stores (Broadline Retail)	43%
Physical stores (Broadline Retail)	4%
Third-party seller services (Broadline Retail)	23%
Subscription services	7%
Advertising services	7%
Amazon Web Services (AWS)	16%
Other	1%
Total	100%

GICS level	GICS code	GICS description
Sector	25	Consumer Discretionary
Industry Group	2550	Consumer Discretionary Distribution & Retail
Industry	255030	Broadline Retail
Sub-Industry	25503030	Broadline Retail

However, a company engaged in two or more substantially different business activities, none of which contribute 60% or more of revenues, is classified in the Sub- Industry that provides the majority of both the company’s revenues and earnings.

When no Sub-Industry provides the majority of both the company’s revenues and earnings, the classification will be determined based on further research and analysis.

In addition, a company significantly diversified across three or more Sectors, none of which contributes the majority of revenues or earnings, is classified either in the Industrial Conglomerates Sub-Industry (Industrial Sector) or in the Multi-Sector Holdings Sub-Industry (Financials Sector).

Example: General Electric (US)

2022 fiscal year	Revenue	Profit/Loss
Aerospace	33%	74%
Renewable Energy	17%	-35%
Power	21%	19%
HealthCare	24%	42%
Corporate	5%	-
Total	100%	100%

GICS level	GICS code	GICS description
Sector	20	Industrials
Industry Group	2010	Capital Goods
Industry	201050	Industrial Conglomerates
Sub-Industry	20105010	Industrial Conglomerates

3.2 Propagation of GICS from company level to security level

GICS is assigned at the company level. Thus, all equity securities including ADRs and GDRs issued by a company have the same classification as the company.

A tracking stock issued by a parent company is classified based on its underlying business.

3.3 Source of information used for GICS classification

The primary source of information used for classification is a company’s annual reports and accounts. Other sources include broker reports and other published research literature. In the case of a new issue, the classification will be based primarily on the description of the company’s activities and pro forma results as given in the prospectus.

Section 4: Review of GICS Classification

A company's Sub-Industry classification will be reviewed either when a significant corporate restructuring occurs or when a new annual report is available. GICS reviews also occur upon client request.

In order to provide a stable Sub-Industry classification, when reviewing a company's classification, changes will be minimized in the Sub-Industry classification to the extent possible by disregarding temporary fluctuations in the results of a company's different activities.

Section 5: GICS Structure Review

MSCI and S&P Dow Jones Indices are committed to ensuring that the GICS Structure remains relevant and up-to-date. This is accomplished through an Annual Review of the Structure. This Review includes a detailed internal analysis to develop a proposal for potential structural changes and public request for comments and in-depth client consultations with various market participants as a means of obtaining feedback on proposed structural changes.

Further information on changes to the GICS Structure can be found on MSCI's website at www.msci.com/gics.

Section 6: GICS Governance by MSCI And S&P Dow Jones Indices

The GICS Methodology and Structure fall under the overall supervision of the GICS Operations Committee, with members from both MSCI and S&P Dow Jones Indices. The Committee will consult with the financial markets community as needed in order to keep the Methodology current and relevant.

MSCI and S&P Dow Jones Indices consider information about changes to the GICS Structure and related matters to be potentially price sensitive. Therefore, all Committee discussions are confidential.

Section 7: GICS Sub-Industry Definitions

Energy

ENERGY



101010

**Energy
Equipment &
Services**



10101010

Oil & Gas Drilling

- Drilling contractors or owners of drilling rigs that contract their services for drilling wells.

10101020

Oil & Gas Equipment
& Services

- Manufacturers of equipment, including drilling rigs and equipment, and providers of supplies and services to companies involved in the drilling, evaluation and completion of oil and gas wells.

101020

**Oil, Gas &
Consumable
Fuels**



10102010

Integrated Oil & Gas

- Integrated oil companies engaged in the exploration & production of oil and gas, as well as at least one other significant activity in either refining, marketing and transportation, or chemicals.

10102020

Oil & Gas Exploration
& Production

- Companies engaged in the exploration and production of oil and gas not classified elsewhere.

10102030

Oil & Gas Refining &
Marketing

- Companies engaged in the refining and marketing of oil, gas and/or refined products not classified in the Integrated Oil & Gas or Independent Power Producers & Energy Traders Sub-Industries.

10102040

Oil & Gas Storage &
Transportation

- Companies engaged in the storage and/or transportation of oil, gas and/or refined products. Includes diversified midstream natural gas companies, oil and refined product pipelines, coal slurry pipelines and oil & gas shipping companies.

10102050

Coal & Consumable
Fuels

- Companies primarily involved in the production and mining of coal, related products and other consumable fuels related to the generation of energy. Excludes companies primarily producing gases classified in the Industrial Gases Sub-Industry and companies primarily mining for metallurgical (coking) coal used for steel production.

Materials



MATERIALS

151010
Chemicals

● **15101010**

Commodity
Chemicals

- Companies that primarily produce industrial chemicals and basic chemicals. Including but not limited to plastics, synthetic fibers, films, commodity-based paints & pigments, explosives and petrochemicals. Excludes chemical companies classified in the Diversified Chemicals, Fertilizers & Agricultural Chemicals, Industrial Gases, or Specialty Chemicals Sub-Industries.

15101020

Diversified Chemicals

- Manufacturers of a diversified range of chemical products not classified in the Industrial Gases, Commodity Chemicals, Specialty Chemicals or Fertilizers & Agricultural Chemicals Sub-Industries.

15101030

Fertilizers &
Agricultural Chemicals

- Producers of fertilizers, pesticides, potash or other agriculture-related chemicals not classified elsewhere.

15101040

Industrial Gases

- Manufacturers of industrial gases.

15101050

Specialty Chemicals

- Companies that primarily produce high value-added chemicals used in the manufacture of a wide variety of products, including but not limited to fine chemicals, additives, advanced polymers, adhesives, sealants and specialty paints, pigments and coatings.

151020
**Construction
Materials**

● **15102010**

Construction
Materials

- Manufacturers of construction materials including sand, clay, gypsum, lime, aggregates, cement, concrete and bricks. Other finished or semi-finished building materials are classified in the Building Products Sub-Industry.

151030
**Containers &
Packaging**

● **15103010**

Metal, Glass & Plastic
Containers

- Manufacturers of metal, glass or plastic containers. Includes corks and caps.

15103020

Paper & Plastic
Packaging Products
& Materials

- Manufacturers of paper and cardboard containers and packaging.

151040
Metals & Mining

● **15104010**
Aluminum

- Producers of aluminum and related products, including companies that mine or process bauxite and companies that recycle aluminum to produce finished or semi-finished products. Excludes companies that primarily produce aluminum building materials classified in the Building Products Sub-Industry.

15104020
Diversified Metals & Mining

- Companies engaged in the diversified production or extraction of metals and minerals not classified elsewhere. Including, but not limited to, nonferrous metal mining (except bauxite), salt and borate mining, phosphate rock mining, and diversified mining operations. Excludes iron ore mining, classified in the Steel Sub-Industry, bauxite mining, classified in the Aluminum Sub-Industry, and coal mining, classified in either the Steel or Coal & Consumable Fuels Sub-Industries.

15104025
Copper

- Companies involved primarily in copper ore mining.

15104030
Gold

- Producers of gold and related products, including companies that mine or process gold and the South African finance houses which primarily invest in, but do not operate, gold mines.

15104040
Precious Metals & Minerals

- Companies mining precious metals and minerals not classified in the Gold Sub-Industry. Includes companies primarily mining platinum.

15104045
Silver

- Companies primarily mining silver. Excludes companies classified in the Gold or Precious Metals & Minerals Sub-Industries.

15104050
Steel

- Producers of iron and steel and related products, including metallurgical (coking) coal mining used for steel production.

151550
Paper & Forest Products

● **15105010**
Forest Products

- Manufacturers of timber and related wood products. Includes lumber for the building industry.

15105020
Paper Products

- Manufacturers of all grades of paper. Excludes companies specializing in paper packaging classified in the Paper & Plastic Packaging Products & Materials Sub-Industry.

Industrials



CAPITAL GOODS

<p>201010 Aerospace & Defense</p>	<p>● 20101010 Aerospace & Defense</p>	<p>●</p>	<p>Manufacturers of civil or military aerospace and defense equipment, parts or products. Includes defense electronics and space equipment.</p>
<p>201020 Building Products</p>	<p>● 20102010 Building Products</p>	<p>●</p>	<p>Manufacturers of building components and home improvement products and equipment. Excludes lumber and plywood classified under Forest Products and cement and other materials classified in the Construction Materials Sub-Industry.</p>
<p>201030 Construction & Engineering</p>	<p>● 20103010 Construction & Engineering</p>	<p>●</p>	<p>Companies engaged in primarily non-residential construction. Includes civil engineering companies and large-scale contractors. Excludes companies classified in the Homebuilding Sub-Industry.</p>
<p>201040 Electrical Equipment</p>	<p>● 20104010 Electrical Components & Equipment</p>	<p>●</p>	<p>Companies that produce electric cables and wires, electrical components or equipment not classified in the Heavy Electrical Equipment Sub-Industry.</p>
	<p>20104020 Heavy Electrical Equipment</p>	<p>●</p>	<p>Manufacturers of power-generating equipment and other heavy electrical equipment, including power turbines, heavy electrical machinery intended for fixed-use and large electrical systems. Excludes cables and wires, classified in the Electrical Components & Equipment Sub-Industry.</p>
<p>201050 Industrial Conglomerates</p>	<p>● 20105010 Industrial Conglomerates</p>	<p>●</p>	<p>Diversified industrial companies with business activities in three or more Sectors, none of which contributes a majority of revenues. Stakes held are predominantly of a controlling nature and stake holders maintain an operational interest in the running of the subsidiaries.</p>

201040
Machinery

● **20106010**
Construction Machinery & Heavy Transportation Equipment

● Manufacturers of heavy duty trucks, rolling machinery, earth- moving and construction equipment, and manufacturers of related parts. Includes non-military shipbuilding.

20106015
Agricultural & Farm Machinery

● Companies manufacturing agricultural machinery, farm machinery, and their related parts. Includes machinery used for the production of crops and agricultural livestock, agricultural tractors, planting and fertilizing machinery, fertilizer and chemical application equipment, and grain dryers and blowers.

20106020
Industrial Machinery & Supplies & Components

● Manufacturers of industrial machinery and industrial components. Includes companies that manufacture presses, machine tools, compressors, pollution control equipment, elevators, escalators, insulators, pumps, roller bearings and other metal fabrications.

201070
Trading Companies & Distributors

● **20107010**
Trading Companies & Distributors

Trading companies and other distributors of industrial equipment and products.

COMMERCIAL & PROFESSIONAL SERVICES

202010
Commercial Services & Supplies

● **20201010**
Commercial Printing

● Companies providing commercial printing services. Includes printers primarily serving the media industry.

20201050
Environmental & Facilities Services

● Companies providing environmental and facilities maintenance services. Includes waste management, facilities management and pollution control services. Excludes large-scale water treatment systems classified in the Water Utilities Sub-Industry.

20201060
Office Services & Supplies

● Providers of office services and manufacturers of office supplies and equipment not classified elsewhere.

**202020
Professional
Services**

20201070
Diversified Support
Services

- Companies primarily providing labor oriented support services to businesses and governments. Includes commercial cleaning services, dining & catering services, equipment repair services, industrial maintenance services, industrial auctioneers, storage & warehousing, transaction services, uniform rental services, and other business support services.

20201080
Security & Alarm
Services

- Companies providing security and protection services to business and governments. Includes companies providing services such as correctional facilities, security & alarm services, armored transportation & guarding. Excludes companies providing security software classified under the Systems Software Sub-Industry and home security services classified under the Specialized Consumer Services Sub-Industry. Also excludes companies manufacturing security system equipment classified under the Electronic Equipment & Instruments Sub-Industry.

● **20202010**
Human Resource &
Employment Services

- Companies providing business support services relating to human capital management. This Sub-Industry includes employment agencies, employee training, payroll processing, benefit & retirement support services, corporate & job seeker recruitment services, and online job portals generating revenue from fees or commissions for offering recruitment services to companies or job seekers.

20202020
Research &
Consulting Services

- Companies primarily providing research and consulting services to businesses and governments not classified elsewhere. Includes companies involved in management consulting services, architectural design, business information or scientific research, marketing, and testing & certification services. Excludes companies providing information technology consulting services classified in the IT Consulting & Other Services Sub-Industry.
-

20202030
Data Processing &
Outsourced Services

- Providers of commercial data processing and/or business process outsourcing services. This Sub-Industry includes companies providing services for customer experience management, back-office automation, call center management, and investor communications.

TRANSPORTATION

203010
**Air Freight &
Logistics**

20301010
Air Freight &
Logistics

- Companies providing air freight transportation, courier and logistics services, including package and mail delivery and customs agents. Excludes those companies classified in the Passenger Airlines, Marine Transportation, Cargo Ground Transportation and Passenger Ground Transportation Sub-Industries.

203020
**Passenger
Airlines**

20302010
Passenger Airlines

- Companies providing primarily passenger air transportation.

203030
**Marine
Transportation**

20303010
Marine
Transportation

- Companies providing goods or passenger maritime transportation. Excludes cruise-ships classified in the Hotels, Resorts & Cruise Lines Sub-Industry.

203040
**Ground
Transportation**

20303010
Rail Transportation

- Companies providing primarily goods and passenger rail transportation.

20304030
Cargo Ground
Transportation

- Companies providing ground transportation services for goods and freight.

20304040
Passenger Ground
Transportation

- Companies providing passenger ground transportation and related services, including bus, taxi, vehicle rental, ride sharing and on-demand ride sharing platforms, and other passenger logistics.

203050

20305010
Airport Services

- Operators of airports and companies providing related services.



Transportation Infrastructure



20305020

Highways &
Railtracks



Owners and operators of roads, tunnels and railtracks.



20305030

Marine Ports &
Services



Owners and operators of marine ports and related services.

Consumer Discretionary



AUTOMOBILES & COMPONENTS

251010

Automobiles & Components



25101010

Automotive Parts & Equipment



Manufacturers of parts and accessories for automobiles and motorcycles. Excludes companies classified in the Tires & Rubber Sub-Industry.

25101020

Tires & Rubber



Manufacturers of tires and rubber.

251020

Automobiles



25102010

Automobile Manufacturers



Companies that produce mainly passenger automobiles and light trucks. Excludes companies producing mainly motorcycles and three-wheelers classified in the Motorcycle Manufacturers Sub-Industry and heavy duty trucks classified in the Construction Machinery & Heavy Transportation Equipment Sub-Industry.

25102020

Motorcycle Manufacturers



Companies that produce motorcycles, scooters or three-wheelers. Excludes bicycles classified in the Leisure Products Sub-Industry.

CONSUMER DURABLES & APPAREL

252010

Household Durables



25201010

Consumer Electronics



Manufacturers of consumer electronics products including TVs, home audio equipment, game consoles, digital cameras, and related products. Excludes personal home computer manufacturers classified in the Technology Hardware, Storage & Peripherals Sub-Industry, and electric household appliances classified in the Household Appliances Sub-Industry.

25201020

Home Furnishings



Manufacturers of soft home furnishings or furniture, including upholstery, carpets and wall-coverings.

	25201030	●	Residential construction companies. Includes manufacturers of prefabricated houses and semi-fixed manufactured homes.
	Homebuilding		
	25201040	●	Manufacturers of electric household appliances and related products. Includes manufacturers of power and hand tools, including garden improvement tools. Excludes TVs and other audio and video products classified in the Consumer Electronics Sub-Industry and personal computers classified in the Technology Hardware, Storage & Peripherals Sub-Industry.
	Household Appliances		
	25201050	●	Manufacturers of durable household products, including cutlery, cookware, glassware, crystal, silverware, utensils, kitchenware and consumer specialties not classified elsewhere.
	Housewares & Specialties		
252020	● 25202010	●	Manufacturers of leisure products and equipment including sports equipment, bicycles and toys.
Leisure Products	Leisure Products		
252030	● 25203010	●	Manufacturers of apparel, accessories & luxury goods. Includes companies primarily producing designer handbags, wallets, luggage, jewelry and watches. Excludes shoes classified in the Footwear Sub-Industry.
Textiles, Apparel & Luxury Goods	Apparel, Accessories & Luxury Goods		
	25203020	●	Manufacturers of footwear. Includes sport and leather shoes.
	Footwear		
	25203030	●	Manufacturers of textile and related products not classified in the Apparel, Accessories & Luxury Goods, Footwear or Home Furnishings Sub-Industries.
	Textiles		

CONSUMER SERVICES

253010	● 25301010	●	Owners and operators of casinos and gaming facilities. Includes companies providing lottery and betting services.
	Casinos & Gaming		

**Hotels,
Restaurants &
Leisure**

25301020
Hotels, Resorts &
Cruise Lines

- Owners and operators of hotels, resorts and cruise-ships. Includes travel agencies, tour operators and related services not classified elsewhere. Excludes casino-hotels classified in the Casinos & Gaming Sub-Industry.

25301030
Leisure Facilities

- Owners and operators of leisure facilities, including sport and fitness centers, stadiums, golf courses and amusement parks not classified in the Movies & Entertainment Sub-Industry.

25301040
Restaurants

- Owners and operators of restaurants, bars, pubs, fast-food or take-out facilities. Includes companies that provide food catering services.

253020
**Diversified
Consumer
Services**

● **25302010**
Education Services

- Companies providing educational services, either on-line or through conventional teaching methods. Includes, private universities, correspondence teaching, providers of educational seminars, educational materials and technical education. Excludes companies providing employee education programs classified in the Human Resources & Employment Services Sub-Industry.

25302020
Specialized
Consumer Services

- Companies providing consumer services not classified elsewhere. Includes residential services, home security, legal services, personal services, renovation & interior design services, consumer auctions and wedding & funeral services.

CONSUMER DISCRETIONARY DISTRIBUTION & RETAIL

255010
Distributors

● **25501010**
Distributors

- Distributors and wholesalers of general merchandise not classified elsewhere. Includes vehicle distributors.

255030
**Broadline
Retail**

● **25503030**
Broadline Retail

- Retailers offering a wide range of consumer discretionary merchandise. This Sub-Industry includes general and discount merchandise retailers, department stores and on-line retailers and marketplaces selling mostly consumer discretionary merchandise.

255040

Specialty Retail

●	25504010	● Retailers specialized mainly in apparel and accessories.
	Apparel Retail	
	25504020	● Owners and operators of consumer electronics, computers, video and related products retail stores.
	Computer & Electronics Retail	
	25504030	● Owners and operators of home and garden improvement retail stores. Includes stores offering building materials and supplies.
	Home Improvement Retail	
	25504040	● Owners and operators of specialty retail stores not classified elsewhere. Includes jewelry stores, toy stores, office supply stores, health & vision care stores, and book & entertainment stores.
	Other Specialty Retail	
	25504050	● Owners and operators of stores specializing in automotive retail. Includes auto dealers, gas stations, and retailers of auto accessories, motorcycles & parts, automotive glass, and automotive equipment & parts.
	Automotive Retail	
	25504060	● Owners and operators of furniture and home furnishings retail stores. Includes residential furniture, homefurnishings, housewares, and interior design. Excludes home and garden improvement stores, classified in the Home Improvement Retail Sub-Industry.
	Homefurnishing Retail	

Consumer Staples



CONSUMER STAPLES DISTRIBUTION & RETAIL

301010

**Consumer Staples
Distribution &
Retail**



30101010

Drug Retail

- Owners and operators of primarily drug retail stores and pharmacies.

30101020

Food Distributors

- Distributors of food products to other companies and not directly to the consumer.

30101030

Food Retail

- Owners and operators of primarily food retail stores.

30101040

Consumer Staples
Merchandise Retail

- Retailers offering a wide range of consumer staples merchandise such as food, household, and personal care products. This Sub-Industry includes hypermarkets, super centers and other consumer staples retailers such as discount retail spaces and on-line marketplaces selling mostly consumer staples goods.

FOOD, BEVERAGE & TOBACCO

302010

Beverages



30201010

Brewers

- Producers of beer and malt liquors. Includes breweries not classified in the Restaurants Sub-Industry.

30201020

Distillers & Vintners

- Distillers, vintners and producers of alcoholic beverages not classified in the Brewers Sub-Industry.

30201030

Soft Drinks & Non-
alcoholic Beverages

- Producers of non-alcoholic beverages including mineral waters. Excludes producers of milk classified in the Packaged Foods & Meats Sub-Industry.

<p>302020</p> <p>Food Products</p>	<p>● 30202010</p> <p>Agricultural Products & Services</p>	<p>● Producers of agricultural products. Includes crop growers, owners of plantations and companies that produce and process foods but do not package and market them. Excludes companies classified in the Forest Products Sub-Industry and those that package and market the food products classified in the Packaged Foods & Meats Sub-Industry.</p>
	<p>30202030</p> <p>Packaged Foods & Meats</p>	<p>● Producers of packaged foods including dairy products, fruit juices, meats, poultry, fish and pet foods.</p>
<p>302020</p> <p>Tobacco</p>	<p>● 30203010</p> <p>Tobacco</p>	<p>● Manufacturers of cigarettes and other tobacco products.</p>











HOUSEHOLD & PERSONAL PRODUCTS

<p>303010</p> <p>Household Products</p>	<p>● 30301010</p> <p>Household Products</p>	<p>● Producers of non-durable household products, including detergents, soaps, diapers and other tissue and household paper products not classified in the Paper Products Sub-Industry.</p>
<p>303020</p> <p>Personal Care Products</p>	<p>● 30302010</p> <p>Personal Care Products</p>	<p>● Manufacturers of personal and beauty care products, including cosmetics and perfumes.</p>

Health Care



HEALTH CARE EQUIPMENT & SERVICES

351010 Health Care Equipment & Supplies	 35101010 Health Care Equipment	 Manufacturers of health care equipment and devices. Includes medical instruments, drug delivery systems, cardiovascular & orthopedic devices, and diagnostic equipment.
	35101020 Health Care Supplies	 Manufacturers of health care supplies and medical products not classified elsewhere. Includes eye care products, hospital supplies, and safety needle & syringe devices.
351020 Health Care Providers & Services	 35102010 Health Care Distributors	 Distributors and wholesalers of health care products not classified elsewhere.
	35102015 Health Care Services	 Providers of patient health care services not classified elsewhere. Includes dialysis centers, lab testing services, and pharmacy management services. Also includes companies providing business support services to health care providers, such as clerical support services, collection agency services, staffing services and outsourced sales & marketing services.
	35102020 Health Care Facilities	 Owners and operators of health care facilities, including hospitals, nursing homes, rehabilitation centers and animal hospitals.
	35102030 Managed Health Care	 Owners and operators of Health Maintenance Organizations (HMOs) and other managed plans.
351030 Health Care Technology	 35101010 Health Care Technology	 Companies providing information technology services primarily to health care providers. Includes companies providing application, systems and/or data processing software, internet- based tools, and IT consulting services to doctors, hospitals or businesses operating primarily in the Health Care Sector.

PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES

<p>352010 Biotechnology</p>	<p> 35201010 Biotechnology</p>	<p> Companies primarily engaged in the research, development, manufacturing and/or marketing of products based on genetic analysis and genetic engineering. Includes companies specializing in protein-based therapeutics to treat human diseases. Excludes companies manufacturing products using biotechnology but without a health care application.</p>
<p>352020 Pharmaceuticals</p>	<p> 35202010 Pharmaceuticals</p>	<p> Companies engaged in the research, development or production of pharmaceuticals. Includes veterinary drugs.</p>
<p>352030 Life Sciences Tools & Services</p>	<p> 35203010 Life Sciences Tools & Services</p>	<p> Companies enabling the drug discovery, development and production continuum by providing analytical tools, instruments, consumables & supplies, clinical trial services and contract research services. Includes firms primarily servicing the pharmaceutical and biotechnology industries.</p>

Financials



BANKS

401010
Banks

40101010
Diversified Banks

- Large, geographically diverse banks with a national footprint whose revenues are derived primarily from conventional banking operations, have significant business activity in retail banking and small and medium corporate lending, and provide a diverse range of financial services. Excludes banks classified in the Regional Banks and Commercial & Residential Mortgage Finance Sub-Industries. Also excludes investment banks classified in the Investment Banking & Brokerage Sub-Industry.

40101015
Regional Banks

- Commercial banks, savings banks and thrifts whose business are derived primarily from conventional banking operations such as retail banking, corporate lending and originating various residential and commercial mortgage loans funded mainly through deposits. Regional banks tend to operate in limited geographic regions. Excludes companies classified in the Diversified Banks and Commercial & Residential Mortgage Finance Sub-Industries. Also excludes investment banks classified in the Investment Banking & Brokerage Sub-Industry.

FINANCIAL SERVICES

402010
Financial Services

40201020
Diversified Financial Services

- Providers of a diverse range of financial services and/or with some interest in a wide range of financial services including banking, insurance and capital markets, but with no dominant business line. Excludes companies classified in the Regional Banks and Diversified Banks Sub-Industries.

40201030
Multi-Sector Holdings

- A company with significantly diversified holdings across three or more Sectors, none of which contributes a majority of profit and/or sales. Stakes held are predominantly of a non-controlling nature. Includes diversified financial companies where stakes held are of a controlling nature. Excludes other diversified companies classified in the Industrials Conglomerates Sub-Industry.

	40201040	●	Providers of specialized financial services not classified elsewhere. Companies in this Sub-Industry derive a majority of revenue from one specialized line of business. Includes, but not limited to, commercial financing companies, central banks, leasing institutions, factoring services, and specialty boutiques. Excludes companies classified in the Financial Exchanges & Data Sub-Industry.
	Specialized Finance		
	40201050	●	Financial companies providing commercial and residential mortgage financing and related mortgage services. This Sub-Industry includes non-deposit funded mortgage lending institutions, building societies, companies providing real estate financing products, loan servicing, mortgage broker services, and mortgage insurance.
	Commercial & Residential Mortgage Finance		
	40201060	●	Providers of transaction & payment processing services and related payment services including digital/mobile payment processors, payment service providers & gateways, and digital wallet providers.
	Transaction & Payment Processing Services		
402020	40202010	●	Providers of consumer finance services, including personal credit, credit cards, lease financing, travel-related money services and pawn shops. Excludes mortgage lenders classified in the Commercial & Residential Mortgage Finance Sub-Industry.
Consumer Finance	Consumer Finance		
402030	40203010	●	Financial institutions primarily engaged in investment management and/or related custody and securities fee-based services. Includes companies operating mutual funds, closed-end funds and unit investment trusts. Excludes banks and other financial institutions primarily involved in commercial lending, investment banking, brokerage and other specialized financial activities.
Capital Markets	Asset Management & Custody Banks		
	40203020	●	Financial institutions primarily engaged in investment banking & brokerage services, including equity and debt underwriting, mergers and acquisitions, securities lending and advisory services. Excludes banks and other financial institutions primarily involved in commercial lending, asset management and specialized financial activities.
	Investment Banking & Brokerage		

	<p>40203030 Diversified Capital Markets</p>	<ul style="list-style-type: none"> ● Financial institutions primarily engaged in diversified capital markets activities, including a significant presence in at least two of the following area: large/major corporate lending, investment banking, brokerage and asset management. Excludes less diversified companies classified in the Asset Management & Custody Banks or Investment Banking & Brokerage Sub-Industries. Also excludes companies classified in the Banks or Insurance Industry Groups or the Consumer Finance Sub-Industry.
	<p>40203040 Financial Exchanges & Data</p>	<ul style="list-style-type: none"> ● Financial exchanges for securities, commodities, derivatives and other financial instruments, and providers of financial decision support tools and products including ratings agencies.
<p>402040 Mortgage Real Estate Investment</p>	<p><input checked="" type="radio"/> 40204010 Mortgage REITs</p>	<ul style="list-style-type: none"> ● Companies or Trusts that service, originate, purchase and/or securitize residential and/or commercial mortgage loans. Includes trusts that invest in mortgage-backed securities and other mortgage related assets.

INSURANCE

<p>403010 Insurance</p>	<p><input checked="" type="radio"/> 40301010 Insurance Brokers</p>	<ul style="list-style-type: none"> ● Insurance and reinsurance brokerage firms.
	<p>40301020 Life & Health Insurance</p>	<ul style="list-style-type: none"> ● Companies providing primarily life, disability, indemnity or supplemental health insurance. Excludes managed care companies classified in the Managed Health Care Sub-Industry.
	<p>40301030 Multi-line Insurance</p>	<ul style="list-style-type: none"> ● Insurance companies with diversified interests in life, health and property and casualty insurance.
	<p>40301040 Property & Casualty Insurance</p>	<ul style="list-style-type: none"> ● Companies providing primarily property and casualty insurance.
	<p>40301050 Reinsurance</p>	<ul style="list-style-type: none"> ● Companies providing primarily reinsurance.

Information Technology

SOFTWARE & SERVICES



451020	●	45102010	●	Providers of information technology and systems integration services not classified in the Data Processing & Outsourced Services Sub-Industry. Includes information technology consulting and information management services.
IT Services		IT Consulting & Other Services		
		45102030	●	Companies providing services and infrastructure for the internet industry including data centers and cloud networking and storage infrastructure. Also includes companies providing web hosting services. Excludes companies classified in the Software Industry.
		Internet Services & Infrastructure		
451030	●	45103010	●	Companies engaged in developing and producing software designed for specialized applications for the business or consumer market. Includes enterprise and technical software as well as cloud-based software. Excludes companies classified in the Interactive Home Entertainment Sub-Industry. Excludes companies classified in the Home Entertainment Software Sub-Industry. Also excludes companies producing systems or database management software classified in the Systems Software Sub-Industry.
Software		Application Software		
		45103020	●	Companies engaged in developing and producing systems and database management software.
		Systems Software		

TECHNOLOGY HARDWARE & EQUIPMENT

452010	●	45201020	●	Manufacturers of communication equipment and products, including LANs, WANs, routers, telephones, switchboards and exchanges. Excludes cellular phone manufacturers classified in the Technology Hardware, Storage & Peripherals Sub-Industry.
Communications Equipment		Communications Equipment		

452020

**Technology
Hardware,
Storage &
Peripherals**



45202030

Technology
Hardware, Storage
& Peripherals



Manufacturers of cellular phones, personal computers, servers, electronic computer components and peripherals. Includes data storage components, motherboards, audio and video cards, monitors, keyboards, printers, and other peripherals. Excludes semiconductors classified in the Semiconductors Sub-Industry.

452030

**Electronic
Equipment,
Instruments
&
Components**



45203010

Electronic
Equipment &
Instruments



Manufacturers of electronic equipment and instruments including analytical, electronic test and measurement instruments, scanner/barcode products, lasers, display screens, point-of-sales machines, and security system equipment.

45203015

Electronic
Components



Manufacturers of electronic components. Includes electronic components, connection devices, electron tubes, electronic capacitors and resistors, electronic coil, printed circuit board, transformer and other inductors, signal processing technology/components.

45203020

Electronic
Manufacturing
Services



Producers of electronic equipment mainly for the OEM (Original Equipment Manufacturers) markets.

45203030

Technology
Distributors



Distributors of technology hardware and equipment. Includes distributors of communications equipment, computers & peripherals, semiconductors, and electronic equipment and components.

SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT

453010

**Semiconductors
&
Semiconductor
Equipment**



45301010

Semiconductor
Materials &
Equipment



Manufacturers of semiconductor equipment, including manufacturers of the raw material and equipment used in the solar power industry.

45301020

Semiconductors



Manufacturers of semiconductors and related products, including manufacturers of solar modules and cells.

Communication Services

TELECOMMUNICATION SERVICES



501010

Diversified Telecommunication Services

● **50101010**
Alternative Carriers

● Providers of communications and high-density data transmission services primarily through a high bandwidth/fiber-optic cable network.

50101020
Integrated Telecommunication Services

● Operators of primarily fixed-line telecommunications networks and companies providing both wireless and fixed-line telecommunications services not classified elsewhere. Also includes internet service providers offering internet access to end users.

501020

Wireless Telecommunication Services

● **50102010**
Wireless Telecommunication Services

● Providers of primarily cellular or wireless telecommunication services.

MEDIA & ENTERTAINMENT

502010

Media

● **50201010**
Advertising

● Companies providing advertising, marketing or public relations services.

50201020
Broadcasting

● Owners and operators of television or radio broadcasting systems, including programming. Includes radio and television broadcasting, radio networks, and radio stations.

50201030
Cable & Satellite

● Providers of cable or satellite television services. Includes cable networks and program distribution.

50201040
Publishing

● Publishers of newspapers, magazines and books in print or electronic formats.

502020

Entertainment



50202010

Movies & Entertainment



Companies that engage in producing and selling entertainment products and services, including companies engaged in the production, distribution and screening of movies and television shows, producers and distributors of music, entertainment theaters and sports teams. Also includes companies offering and/or producing entertainment content streamed online.

50202020

Interactive Home Entertainment



Producers of interactive gaming products, including mobile gaming applications. Also includes educational software used primarily in the home. Excludes online gambling companies classified in the Casinos & Gaming Sub-Industry.

502030

Interactive Media & Services



50203010

Interactive Media & Services



Companies engaging in content and information creation or distribution through proprietary platforms, where revenues are derived primarily through pay-per-click advertisements. Includes search engines, social media and networking platforms, online classifieds, and online review companies.

Utilities

UTILITIES



<p>551010</p> <p>Electric Utilities</p>	<p>● 55101010</p> <p>Electric Utilities</p>	<p>● Companies that produce or distribute electricity. Includes both nuclear and non-nuclear facilities.</p>
<p>551020</p> <p>Gas Utilities</p>	<p>● 55102010</p> <p>Gas Utilities</p>	<p>● Companies whose main charter is to distribute and transmit natural and manufactured gas. Excludes companies primarily involved in gas exploration or production classified in the Oil & Gas Exploration & Production Sub-Industry. Also excludes companies engaged in the storage and/or transportation of oil, gas, and/or refined products classified in the Oil & Gas Storage & Transportation Sub-Industry.</p>
<p>551030</p> <p>Multi-Utilities</p>	<p>● 55103010</p> <p>Multi-Utilities</p>	<p>● Utility companies with significantly diversified activities in addition to core Electric Utility, Gas Utility and/or Water Utility operations.</p>
<p>551040</p> <p>Water Utilities</p>	<p>● 55104010</p> <p>Water Utilities</p>	<p>● Companies that purchase and redistribute water to the end- consumer. Includes large-scale water treatment systems.</p>
<p>551050</p> <p>Independent Power and Renewable Electricity Producers</p>	<p>● 55105010</p> <p>Independent Power Producers & Energy Traders</p>	<p>● Companies that operate as Independent Power Producers (IPPs), Gas & Power Marketing & Trading Specialists and/or Integrated Energy Merchants. Excludes producers of electricity using renewable sources, such as solar power, hydropower, and wind power. Also excludes electric transmission companies and utility distribution companies classified in the Electric Utilities Sub-Industry.</p>

55105020
Renewable Electricity

- Companies that engage in the generation and distribution of electricity using renewable sources, including, but not limited to, companies that produce electricity using biomass, geothermal energy, solar energy, hydropower, and wind power. Excludes companies manufacturing capital equipment used to generate electricity using renewable sources, such as manufacturers of solar power systems, installers of photovoltaic cells, and companies involved in the provision of technology, components, and services mainly to this market.

Real Estate

EQUITY REAL ESTATE INVESTMENT TRUSTS (REITs)



601010

Diversified REITs



60101010

Diversified REITs



A company or Trust with significantly diversified operations across two or more property types.

601025

Industrial REITs



60102510

Industrial REITs



Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of industrial properties. Includes companies operating industrial warehouses and distribution properties.

601030

Hotel & Resort REITs



60103010

Hotel & Resort REITs



Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of hotel and resort properties.

601040

Office REITs



60104010

Office REITs



Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of office properties.

601050

Health Care REITs



60105010

Health Care REITs



Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of properties serving the health care industry, including hospitals, nursing homes, and assisted living properties.

601060

Residential REITs



60106010

Multi-Family Residential REITs



Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of apartments and other multi-family housing including student housing.

60106020

Single-Family Residential REITs



Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of single-family residential housing including manufactured homes.

601070

Retail REITs

● **60107010**
Retail REITs

● Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of shopping malls, outlet malls, neighborhood and community shopping centers.

601080

Specialized REITs

● **60108010**
Other Specialized REITs

● Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of properties not classified elsewhere. This Sub-Industry includes REITs that manage and own properties such as natural gas and crude oil pipelines, gas stations, fiber optic cables, prisons, automobile parking, and automobile dealerships.

● **60108020**
Self-Storage REITs

● Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of self storage properties.

● **60108030**
Telecom Tower REITs

● Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of telecom towers and related structures that support wireless telecommunications.

● **60108040**
Timber REITs

● Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of timberland and timber-related properties.

● **60108050**
Data Center REITs

● Companies or Trusts engaged in the acquisition, development, ownership, leasing, management and operation of data center properties.

REAL ESTATE MANAGEMENT & DEVELOPMENT

602010

Real Estate Management & Development

● **60201010**
Diversified Real Estate Activities

● Companies engaged in a diverse spectrum of real estate activities including real estate development & sales, real estate management, or real estate services, but with no dominant business line.

60201020
Real Estate Operating Companies

● Companies engaged in operating real estate properties for the purpose of leasing & management.



60202030
Real Estate
Development

- Companies that develop real estate and sell the properties after development. Excludes companies classified in the Homebuilding Sub-Industry.

60102040
Real Estate
Services

- Real estate service providers such as real estate agents, brokers & real estate appraisers.

Section 8: MSCI Fixed Income Sector Classification Guidelines

MSCI also leverages the Global Industry Classification Standard (GICS) to classify companies that have issued Fixed Income securities such as corporate bonds.

8.1 Fixed income universe eligible for classification

Corporates that have issued bonds are eligible for a classification.

Supranationals, Municipals and Sovereigns that have issued fixed income securities are currently not covered under this Methodology.

8.1.1 Classification of a company that has issued both equity and corporate bonds

Propagation of GICS from company level to security level

GICS is assigned at the company level and thus all securities, equities or corporate bonds, issued by the company will have the same GICS classification as the company.

MSCI leverages GICS assigned to a company that has issued equity securities and assigns the same GICS classification to the corporate bonds issued by the company.

Example: GICS of a corporate bond issued by General Electric

The corporate bond issued by General Electric will have the same GICS as assigned to General Electric.

GICS level	GICS code	GICS description
Sector	20	Industrials
Industry Group	2010	Capital Goods
Industry	201050	Industrial Conglomerates
Sub-Industry	20105010	Industrial Conglomerates

8.1.2 Classification of a company that has issued only corporate bonds

Each corporate bond issuer is assigned to a GICS Sub-Industry based on the GICS of its related listed entity, i.e., its parent company or ultimate parent company, as available in GICS Direct.

Example: GICS of corporate bond issued by Coca-Cola Refreshments USA Inc.

Coca-Cola Refreshments USA Inc.’s parent is Coca-Cola Co which is classified as “30201030 - Soft Drinks”.

GICS of the corporate bond issued by Coca-Cola Refreshments USA Inc. will be:

GICS level	GICS code	GICS description
Sector	30	Consumer Staples
Industry Group	3020	Food, Beverage and Tobacco
Industry	302010	Beverages
Sub-Industry	30201030	Soft Drinks & Non-alcoholic Beverages

In cases where the related entities, i.e., its parent and ultimate parent company don’t have GICS in GICS Direct, the corporate bond issuer will be classified based on its own or its related entities’ underlying business using the GICS framework.

In addition, if the corporate bond issuer is a special purpose vehicle or a captive finance vehicle, it will be classified based on the business of its related entities as described in Section 3.

8.2 Source of information used for the GICS classification of fixed income

The primary source of information used to classify fixed income securities is the company's annual reports and accounts. Other sources include broker reports and other published research literature. In the case of a new issue, the classification will be determined based primarily on the description of the company's activities and pro forma results as given in the prospectus.

8.3 Maintenance of GICS for companies that have issued corporate bonds

8.3.1 Ongoing review

A company's Sub-Industry classification will be reviewed at least annually. It will also be reviewed when a significant corporate restructuring occurs. GICS reviews could also occur upon client request.

In order to provide a stable Sub-Industry classification, when reviewing a company's classification, changes will be minimized in the Sub-Industry classification to the extent possible by disregarding temporary fluctuations in the results of a company's different activities.

8.3.2 Impact of GICS structure review

All changes in the GICS Structure and definitions resulting from a Structure Review will be applicable to the classification of companies that have issued fixed income securities as well.

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