Industry Sector Cross Reference Service

Xpressfeed User Guide

S&P Global
Market Intelligence

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Document Overview

What You Will Find In This Manual

The purpose of this document is to provide a comprehensive overview of the S&P Capital IQ Industry Sector Cross Reference Service (CRS). This document describes:

- The data structure of the packages, including schemas and detailed descriptions of all tables and fields
- Common ways of querying Industry Sector CRS data with SQL examples

Who Should Read This Guide

This publication is for use by Xpressfeed clients who subscribe to S&P Capital IQ's Industry Sector CRS. The data may be delivered via the Xpressfeed Loader V5.x[1] or can be retrieved directly from the S&P Capital IQ Enterprise Data Exchange (EDX) platform.[2]

How To Use This Guide

As a new client, you may wish to read this guide in its entirety. If you prefer, you may skip to the sections that are specific to your needs. Following is an outline of the information provided in this guide:

Executive Summary – This chapter gives an overview of S&P Capital IQ's Industry Sector CRS.

Industry Sector CRS Package - The Industry Sector CRS package provides industry sector classifications linked at the company level. This chapter provides the Industry

[1] The Xpressfeed Loader generates a database schema and structure and loads Industry Sector CRS data as a set of fully indexed tables. The Loader automates the daily updates and keeps your database up to date.

[2] EDX is an enterprise level, scalable, reliable and highly available data delivery platform within Standard & Poor's. EDX offers enhanced security for sensitive file transfers and provides support for all major file transfer standards. Functionality exists for file management, archiving, routing, and administration. This platform supports monitoring, alerting, auditing, and reporting capabilities.

Sector CRS package names, package delivery frequency, a list of fields, field descriptions, format, positions and definitions.

Cross Reference Core Package - The Cross Reference Core package is a reference file that further describes Industry Sector cross reference data. This chapter provides the Cross Reference Core package names, package delivery frequency, a list of fields, field descriptions, format, positions and definitions.

Compustat GVKEY Identifier Package - The Compustat GVKEY identifier package provides cross reference data to map the GICS® Direct package to the Industry Sector CRS. This chapter provides the Compustat GVKEY identifier package name, package delivery frequency, a list of fields, field descriptions, format, positions and definitions.

GICS® Direct Package– This chapter provides a list of supporting documentation for the GICS (Global Industry Classification Standard) Direct package.

Sample Query Solutions – This section provides sample queries and solutions for the Industry Sector CRS. All sample queries use SQL Server script. Sample queries are provided in order to demonstrate table relationships and business rules. Please feel free to optimize the queries for best performance based on your use case.

Frequently Asked Questions - This section provides answers to common questions in a Q&A format.

Reference Material – This section provides links to reference material for the various industry sector classifications provided in the Industry Sector CRS.

Supporting Documentation

There are several supporting documents specific to Industry Sector CRS data via Xpressfeed on the S&P Capital IQ Support Center site:

- *S&P Capital IQ Base Files User Guide* – This guide describes the data structure of the Base Files and all other tangible components of the data, as well as integration of Base Files with other S&P Capital IQ data sets.
- *Xpressfeed Loader User Guide* – This user guide outlines the features and capabilities of the Xpressfeed Loader.
- *EDX FTP File Delivery Technical Guide for Xpressfeed* - This document provides information for clients who download S&P Capital IQ Industry Sector CRS files directly from the FTP server and write their own loading procedures.
- *EDX File Format Spreadsheets* – These spreadsheets contain details for each file delivered in your subscription including: full and change file zip file prefixes, individual text file names, and information for each column in the file (e.g., column names, column data types, whether the column is nullable, and primary keys).
- *Expected Xpressfeed File Delivery Schedule* - This spreadsheet provides delivery times for each data package included in your subscription. It also gives the length of time full files exist on the EDX FTP site.

If you are linking to GICS Direct, refer to the GICS Direct Package chapter in this guide for supporting documentation that is specific to your file delivery method.

If you are linking to the Business Entity CRS, these supporting documents are available on the S&P Capital IQ Support Center site:

- *Business Entity CRS User Guide* – This user guide provides a comprehensive overview of the packages and data structure in the Business Entity CRS. It also includes schemas and detailed descriptions of all tables and fields.

Client Support

S&P Capital IQ is committed to quality products and customer service. Any time you have questions about your Xpressfeed data, you will find our Client Support Center to be an important resource. Staffed by a team of dedicated professionals, our Client Support Center is available to assist you at ClientSupport@StandardandPoors.com.

Please refer to the Client Support contact information provided at the beginning of this document.

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Executive Summary

Overview

S&P Capital IQ continues to modernize its cross reference service capabilities and is offering a cross-reference solution for industry classification codes. The Industry Sector CRS provides comprehensive industry sector classifications linked at the company level.

Benefits

Industry Sector CRS assists clients with the following:

- Compliance – provides regionally recognized classification systems to meet regulatory needs
- Benchmarking – clients can pick and choose from multiple classifications to perform company comparisons and peer group analysis
- Screening – allows clients to use multiple sector classifications in order to refine portfolios and sample sets
- Analysis – provides multiple levels of industry sector classification taxonomies for more granular comparison
- Streamlined Linking - associates region-specific classifications on a global scale and standard

Industry Sector CRS links industry classifications seamlessly to a variety of S&P Capital IQ data packages such as Corporate Relationships, Business Entity CRS and Company Fundamentals.

Industry Classifications

The Industry Classifications available in this service include:

INDUSTRY CLASSIFICATION	DESCRIPTION
GICS® - Global Industry Classification Standard*	GICS was created in 1999 and is a collaborative effort between S&P and MSCI. GICS classification codes are 8-digit codes that correspond to a company's primary activity. GICS is based upon a classification of sectors, which are then subdivided into a hierarchy of industry groups, industries and sub-industries.
S&P Capital IQ Exchange Traded Fund Classification**	The S&P Capital IQ ETF Style Classification provides a tiered style classification scheme based on exposure across asset classes for more than 2,400 publicly traded ETFs (Exchange-Traded Funds) and ETNs (Exchange-Traded Notes).
S&P Ratings Sectors	S&P Ratings Sectors are defined in accordance with S&P Ratings Services and are directly related to the groups and departments within S&P that provide ratings and analysis.
ICB Sector Classification (ICB)***	ICB categorizes over 70,000 companies worldwide, enabling the comparison of companies across four classification levels and national boundaries. The ICB Classification system is made up of 10 Industries, 19 Supersectors, 41 Sectors and 114 Subsectors.
SIC – Standard Industrial Classification	SIC is a system for classifying industries by a four-digit code. While the SIC code is no longer published by the U.S. Federal government, this classification is still used for comparison and analysis. The SIC was developed for use in the classification of establishments by type of activity in which they were primarily engaged.
NAICS – North American Industry Classification System	NAICS is a 2-6 digit numbering system for classifying establishments on a production / process-oriented basis. The NAICS industry classification system groups establishments into industries based on the activities in which they are primarily engaged.
NACE – Nomenclature des Activités Économiques dans la Communauté Européenne	The Statistical Classification of Economic Activities in the European Community, commonly referred to as NACE, is a European industry standard classification system consisting of a 6 digit code. The NACE code was introduced in 1970 and in 1990, a revised version became applicable.
ANZSIC – Australian and New Zealand Standard Industrial Classification	ANZSIC has a four level hierarchical structure consisting of divisions, subdivisions, groups, and classes. ANZSIC assigns businesses according to their predominant economic activity. When business units engage in similar productive activities, ANZSIC will also use supply side based industries and groupings to exhibit similar production functions.

* Requires GICS Direct License

** Requires S&P ETF Classification License

*** Requires ICB Sector Classification License

Industry Sector CRS Packages

Industry Sector Classification Packages

Industry classification packages are available in the following universes:

- All Companies Package - All public and private companies with at least one classification schema
- Public Company Package - Classifications linked to all public companies
- Private Company Package - Classifications linked to all private companies

Within each package, the following industry sectors are included:

INDUSTRY CLASSIFICATION	ALL	PUBLIC ONLY	PRIVATE ONLY	GICS
GICS*				X
S&P Capital IQ Exchange Traded Fund Classification**	X	X		
S&P Ratings Sectors	X	X		
ICB Sector Classification***	X	X		
SIC	X	X	X	
NAICS	X	X	X	
NACE	X	X		
ANZSIC	X	X		

* Requires GICS Direct License

** Requires S&P ETF Classification License

*** Requires ICB Sector Classification License

Cross Reference Core Package

The Cross Reference Core package contains reference data used across S&P Capital IQ cross reference packages including Business Entity CRS and Industry Sector CRS. See the chapter titled Cross Reference Core Package for more information.

Compustat GVKEY Identifier Package

The Compustat GVKEY identifier package provides cross reference data to map the GICS Direct package to Industry Sector CRS. See the chapter titled Compustat GVKEY Identifier Package for more information.

GICS Direct Package

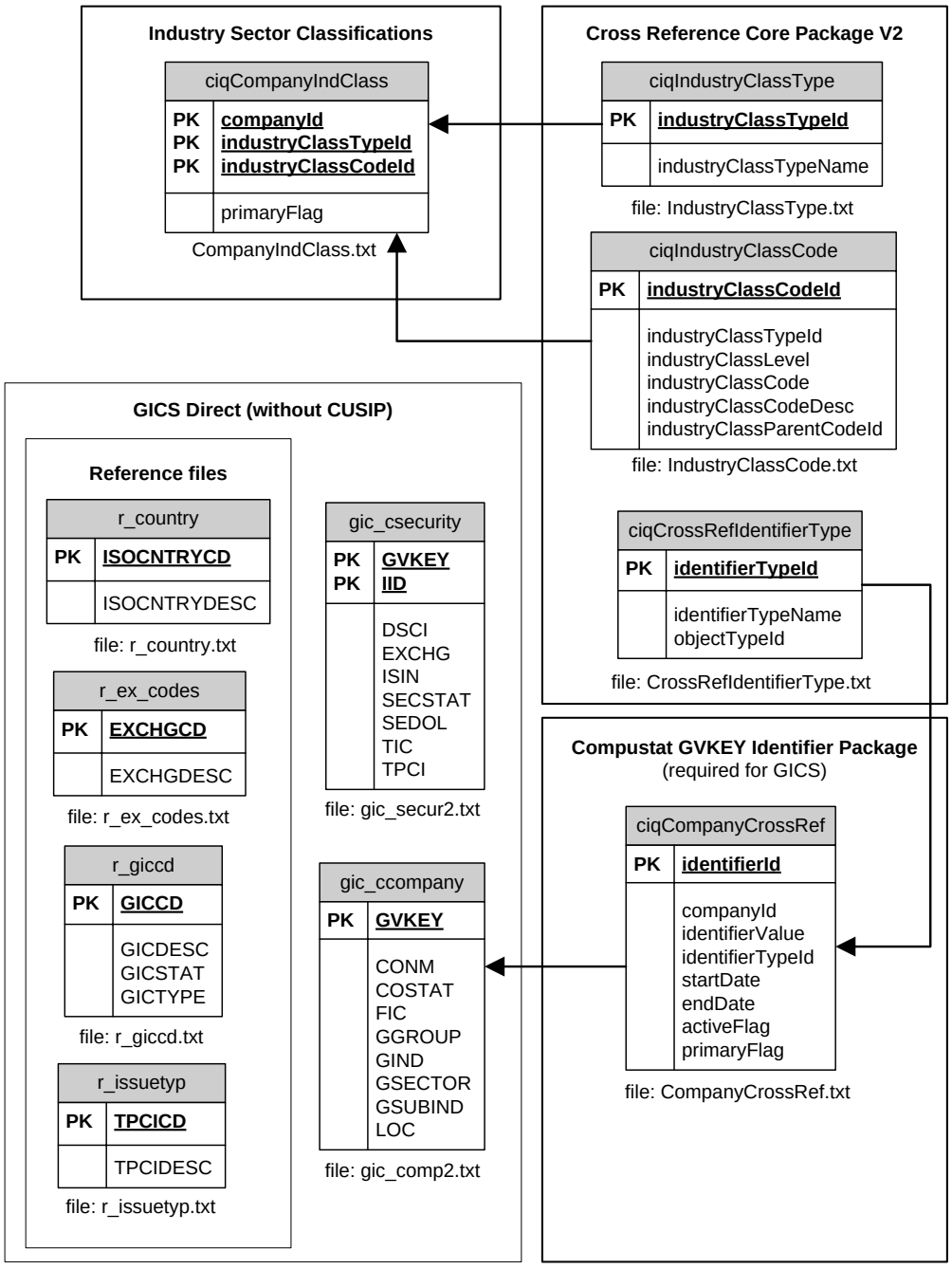
The GICS Direct package provides industry sector data as defined by GICS Direct. See the chapter titled GICS Direct Package for more information.

S&P Capital IQ Company Foundation and Company Foundation Plus Files

Industry Sector CRS data links to the Base Files Company Foundation and Company Foundation Plus Files for descriptive information on the company, such as name, address, country, etc. See the chapter titled Company Foundation File in the S&P Capital IQ Base Files User Guide on the S&P Capital IQ Support Center.

Xpressfeed Loader Schema

The schema below displays the linkages between Industry Sector CRS data packages. Primary keys appear in bold font and are designated with the initials PK. All tables reflect Xpressfeed Loader table names. The associated file name for FTP clients is given beneath each table. *Note*: This schema is for illustrative purposes only. This schema provides table names and file names if you subscribe to GICS Direct *without* CUSIP.



More Information

For a detailed description of the packages tables and fields in the above schema, refer to the chapters that follow.

Industry Sector Classification Packages

The Industry Sector CRS provides industry sector classifications linked at the company level. This chapter provides the industry sector classification package names, package delivery frequency, a list of fields, field descriptions, format, positions and definitions.

Industry Sector Classification Package Names

Below are the Industry Sector CRS package names for the various delivery formats:

File Content	Xpressfeed Loader Package Name	EDX FTP Package Name *
S&P Capital IQ Exchange Traded Fund Classification**	ISCRS_ETF_Daily	ISCRS_ETF_Daily <<Full or Change>><<Pop>><<Date>><<Time>>-<<Seq if Change>>
S&P Ratings Sectors	ISCRS_SnPRatings_ Daily	ISCRS_SnPRatings_Daily <<Full or Change>><<Pop>><<Date>><<Time>>-<<Seq if Change>>
ICB Sector Classification	ISCRS_ICB_Daily	ISCRS_ICB_Daily <<Full or Change>><<Pop>><<Date>><<Time>>-<<Seq if Change>>
SIC	ISCRS_SIC_Daily	ISCRS_SIC_Daily <<Full or Change>><<Pop>><<Date>><<Time>>-<<Seq if Change>>
NAICS	ISCRS_NAICS_Daily	ISCRS_NAICS_Daily <<Full or Change>><<Pop>><<Date>><<Time>>-<<Seq if Change>>
NACE	ISCRS_NACE_Daily	ISCRS_NACE_Daily <<Full or Change>><<Pop>><<Date>><<Time>>-<<Seq if Change>>

File Content	Xpressfeed Loader Package Name	EDX FTP Package Name *
ANZSIC	ISCRS_ANZSIC_Daily	ISCRS_ANZSIC_Daily <<Full or Change>><<Pop>><<Date>><<Time>>-<<Seq if Change>>

* Please refer to the *EDX FTP File Delivery Technical Guide for Xpressfeed* on the S&P Capital IQ Support Center for a detailed explanation of the EDX FTP package naming conventions.

Note: To obtain GICS industry sector data, please refer to the chapters titled Compustat GVKEY Identifier Package and the GICS Direct Package.

Delivery Frequency

Full Files: Clients receive a full data package update weekly. The full data package may be applied once on initializing the database, but will not need to be applied thereafter as daily updates will keep the database up-to-date.

Change Files: Industry sector classification package is delivered each calendar day. If there are no changes, an empty file will still be produced.

For specific file delivery times, please refer to the *Expected Xpressfeed File Delivery Schedule* on the S&P Capital IQ Support Center.

Tables/Files

The visual representation of the files and the corresponding descriptive tables display primary keys first. To determine the actual field ordering as well as field character length, please refer to the *EDX File Format Spreadsheets* on the S&P Capital IQ Support Center.

ciqCompanyIndClass Table

The **ciqCompanyIndClass** table provides the most detailed entry of an entity's industry classification. The *companyId* links to the Company Foundation and Company Foundation Plus Files for more descriptive data on the entity.

ciqCompanyIndClass	
PK **PK** **PK**	**companyId** **industryClassTypeId** **industryClassCodeId**
	primaryFlag

CompanyIndClass.txt

Table 1. ciqCompanyIndClass fields

Column Name	Data Type	Description
companyId	int	Unique S&P Capital IQ company identifier; this links to the **ciqCompany** table in the Base Files.
industryClassTypeId	smallint	S&P Capital IQ's unique identifier to represent the industry classification (e.g., SIC= 400, NAICS = 416, ICB= 604).
industryClassCodeId	int	Unique numeric identifier assigned to the value and description of industry sector codes used by different classification systems included in the Industry Sectors CRS.
primaryFlag	bit	Indicates primary classification for companies with multiple classifications assigned.

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Cross Reference Core Package

The Cross Reference Core package is a reference file that further describes Industry Sector Cross Reference data.

This chapter provides the Cross Reference Core package name, package delivery frequency, a list of fields, field descriptions, format, positions and definitions.

Cross Reference Core Package Package Name

Below are the Cross Reference Core Package names for the various delivery formats:

File Content	Xpressfeed Loader Package Name	EDX FTP Package Name	Population
Cross Reference Core Package	CRS Cross Reference Core	CRS_CoreV2Span	Global

Delivery Frequency

Full Files: Clients receive a full data package update weekly. The full data package may be applied once on initializing the database, but will not need to be applied thereafter as daily updates will keep the database up-to-date.

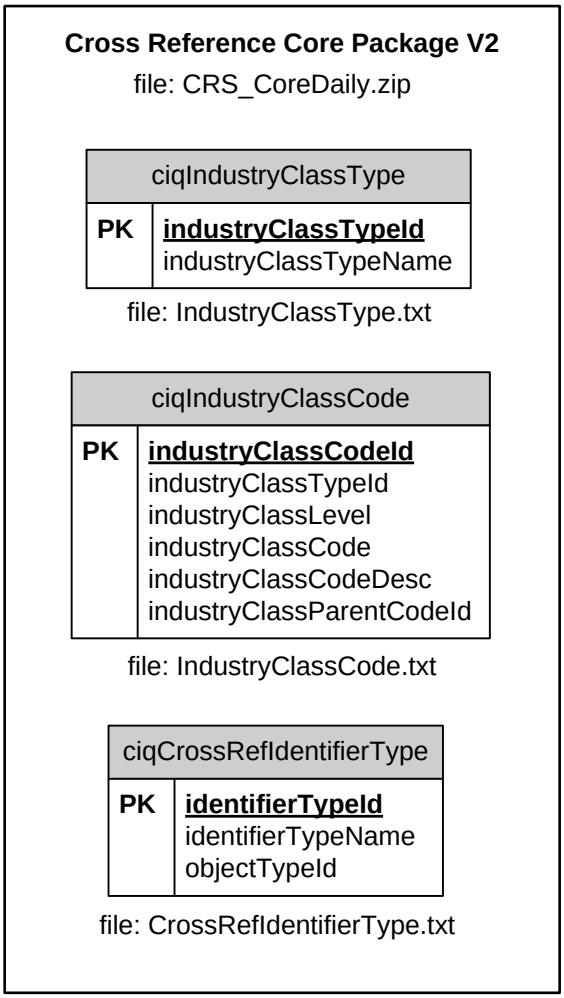
Change Files: The Cross Reference Core package is provided with near real-time span delivery with transactional updates occurring every fifteen minutes. Span files are produced only if there are data changes.

For specific file delivery times, please refer to the *Expected Xpressfeed File Delivery Schedule* on the S&P Capital IQ Support Center.

Xpressfeed Loader Schema

The schema below represents the structure of the Cross Reference Core Package as delivered through the Xpressfeed Loader. Primary keys appear in bold font and are designated with the initials PK. All tables reflect Xpressfeed Loader table names. The associated file name for FTP clients is given beneath each table.

The schema provides each field contained within a record. For clients using a custom loading process, you may find the diagram helpful in identifying primary keys and in applying Change File updates.



Note that the **ciqIndustryClassType** and **ciqIndustryClassCode** tables provide reference data for all industry sectors except GICS. The **ciqCrossRefIdentifierType** table provides reference data to distinguish the various types of Compustat GVKEY identifiers found in the **ciqCompanyCrossRef** table (which is used to link to GICS data). For more information, please refer to the chapters titled Compustat GVKEY Identifier Package and the GICS Direct Package.

The visual representation of the files and the corresponding descriptive tables display primary keys first. To determine the actual field ordering as well as field character length, please refer to the *EDX File Format Spreadsheets* on the S&P Capital IQ Support Center site.

ciqIndustryClassType Table

The **ciqIndustryClassType** table identifies the particular industry classification being viewed.

file: IndustryClassType.txt

Table 2. ciqIndustryClassType fields

Column Name	Data Type	Description
industryClassTypeId	smallint	S&P Capital IQ's unique identifier to represent the industry classification (e.g., SIC= 400, NAICS = 416, ICB= 604).
industryClassTypeName	int	The textual description of the characteristic type (e.g., for ANZSIC industry classification data, the classification type name will be ANZSIC Firm Characteristic).

Table 3. ciqIndustryClassType reference data

industryClassTypeId	industryClassTypeName
400	SIC Firm Characteristic
416	NAICS Firm Characteristic
521	ANZSIC Firm Characteristic
603	NACE Firm Characteristic
604	FTSE ICB - Industry Classification Benchmark
605	S&P Capital IQ ETF Classification
493	S&P Ratings Classification

Note: To obtain GICS industry sector data, please refer to the chapters titled Compustat GVKEY Identifier Package and the GICS Direct Package.

ciqIndustryClassCode Table

The **ciqIndustryClassCode** table provides all industry branches for a company.

ciqIndustryClassCode	
PK	**industryClassCodeId** industryClassTypeId industryClassLevel industryClassCode industryClassCodeDesc industryClassParentCodeId

file: IndustryClassCode.txt

Table 4. ciqIndustryClassCode fields

Column Name	Data Type	Description
industryClassCodeId	int	Unique numeric identifier assigned to the value and description of industry sector codes used by different classification systems included in the Industry Sectors CRS.
industryClassTypeId	smallint	S&P Capital IQ's unique identifier to represent the industry classification (e.g., SIC= 400, NAICS = 416, ICB= 604).
industryClassLevel	smallint	This is the branch level of the industry classification tree, where 0 represents the top level, 1 represents the branch immediately below 0, 2 represents the branch immediately below 1, and so forth.
industryClassCode	varchar	This is the classification code for the industry classification system.
industryClassCodeDesc	varchar	The textual description of the industryClassCode.
industryClassParentCodeId	int	The *industryClassCodeId* for the parent branch of the current branch.

Table 5. ciqIndustryClassCode sample reference data

industryClass CodeId	industry Class TypeId	industry Class Level	industry Class Code	industryClassCodeDesc	industryClass Parent CodeId
9618848	521	0	A	Agriculture, Forestry and Fishing	NULL
9618849	521	1	1	Agriculture	9618848
9618850	521	2	11	Nursery and Floriculture Production	9618849
9618851	521	3	111	Nursery Production (Under Cover)	9618850
9618852	521	3	112	Nursery Production (Outdoors)	9618850

ciqCrossRefIdentifierType Table

If you subscribe to GICS Direct, the **ciqCrossRefIdentifierType** table provides data for each identifier.

ciqCrossRefIdentifierType	
PK	**identifierTypeId**
	identifierTypeName objectTypeId

file: CrossRefIdentifierType.txt

Table 6. ciqCrossRefIdentifierType fields

Column Name	Data Type	Description
identifierTypeId	int	S&P Capital IQ's unique numeric value assigned to a type of identifier, such as GVKEY.
identifierTypeName	varchar	Unique identifier name, such as S&P GVKEY.
objectTypeId	tinyint	Identifies the object type that the identifier relates to within S&P Capital IQ data (e.g., Company, Security, and Trading Item). For Industry Sector CRS, this will always be "Company" or objecttypeId=2.

Table 7. ciqCrossRefIdentifierType GVKEY reference data

identifierTypeId	identifierTypeName	objectTypeId
69	S&P GVKey	2
236	GvKey - ProForma	2
237	GvKey - PreFASB	2
238	GvKey - PreDvst	2
239	GvKey - PostDvst	2
240	GvKey - PreAmend	2
241	GvKey - Public/Private/Public	2
242	GvKey - MultiIssue / Structure Product	2
243	GVKey - Canadian Exchange	2
248	GvKey - ETF	2

Note: To link to GICS industry sector data, please refer to the chapters titled Compustat GVKEY Identifier Package and the GICS Direct Package.

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Compustat GVKEY Identifier Package

The Compustat GVKEY identifier package provides cross reference data to map the GICS Direct package to the Industry Sector Cross Reference Service.

This chapter provides the Compustat GVKEY Identifier package name, package delivery frequency, and a list of fields, field descriptions, format, widths, positions and definitions.

Compustat GVKEY Identifier Package Name

Below is the Compustat GVKEY Identifier package name:

File Content	Xpressfeed Loader Package Name	EDX FTP Package Name	Population
Compustat GVKEY Identifier Package	BECRS Compustat GVKey Daily	BECRS_GVKEYDaily	Global

Delivery Frequency

Full Files: Clients receive a full data package update weekly. The full data package may be applied once on initializing the database, but will not need to be applied thereafter as daily updates will keep the database up-to-date.

Change Files: The Compustat GVKEY Identifier package is delivered via daily or span delivery:

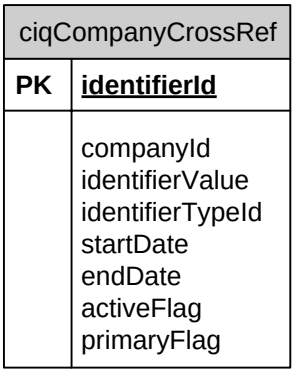
- **Daily** - Updates for all regions are generated each calendar day. If there are no daily changes, an empty file will still be produced.
- **Span** - Transactional updates are generated every five minutes. Span files are produced only if there are data changes.

For specific file delivery times, please refer to the *EDX FTP File Delivery Technical Guide for Xpressfeed* on the S&P Capital IQ Support Center site.

The visual representation of the files and the corresponding descriptive tables display primary keys first. To determine the actual field ordering as well as field character length, please refer to the *EDX File Format Spreadsheets* on the S&P Capital IQ Support Center site.

ciqCompanyCrossRef Table

The **ciqCompanyCrossRef** table contains the cross reference identifier to link the Compustat GVKEY to the S&P Capital IQ *companyId*. The *companyId* links to the Company Foundation Plus File (in the S&P Capital IQ Base Files) for more descriptive data.



file: CompanyCrossRef.txt

Table 8. ciqCompanyCrossRef fields

Column Name	Data Type	Description
identifierId	int	Identity key on the table. The unique keys on the table are *companyId*, *identifierValue*, *IdentifierTypeId*, and *startDate*.
companyId	int	Unique S&P Capital IQ company identifier; this links to the **ciqCompany** table in the Base Files.
identifierValue	varchar	Vendor identifier value such as 174077, 144396, 185836, 64536, etc.
identifierTypeId	smallint	Unique numeric value assigned to a type of identifier, such as 69 =S&P GVKey. Links to the **ciqCrossRefIdentifierType** table for descriptive data.
startDate	datetime	Used to define the historical link when the identifier is split across multiple Capital IQ *companyIds*. Currently populated only for the GVKEY identifier.

Column Name	Data Type	Description
endDate	datetime	Used to define the historical link when the identifier is split across multiple Capital IQ *companyIds*. Currently populated only for the GVKEY identifier.
activeFlag	bit	Currently populated only for the GVKEY identifier. 1 indicates the identifier is the active identifier the entity is currently using.
primaryFlag	bit	For cases where there is more than one identifier that relates to a single *companyId*, 1 indicates the primary vendor identifier that relates back to the *companyId*.

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GICS® Direct Package

Linking to GICS® (Global Industry Classification Standard) Direct

GICS was created in 1999 and is a collaborative effort between S&P Dow Jones Indices and MSCI. GICS classification codes are 8-digit codes that correspond to a company's primary activity. GICS is based upon a classification of sectors, which are then subdivided into a hierarchy of industry groups, industries and sub-industries.

The GICS Direct package provides more than 43,000 active company classifications and covers over 50,000 active global securities in accordance with Standard & Poor's and MSCI's proprietary Global Industry Classification Standard (GICS). The product includes the current classification for active companies in more than 120 countries.

GICS Direct Package Name

Below are the GICS Direct Daily package names:

Xpressfeed Loader Package Name	FTP Package Name	File Content
GICS Current Daily	pkgGIC02	This package contains GICS Direct-Daily data.
GICS Current with CUSIP Daily	pkgGIC01	This package contains GICS Direct–Daily data, and includes CUSIP information.
Xpressfeed Reference / Xpressfeed Reference V2	CompustatRefData CompustatRefDataV2	This package delivers **Full Files** of GICS Direct *reference* tables (r_giccd, r_ex_codes, r_country, and r_issuetyp). Transactional updates for reference files are delivered in pkgGIC02 / pkgGIC01.

Note: GICS Direct is available in other package options. Please contact your account team if you have any questions.

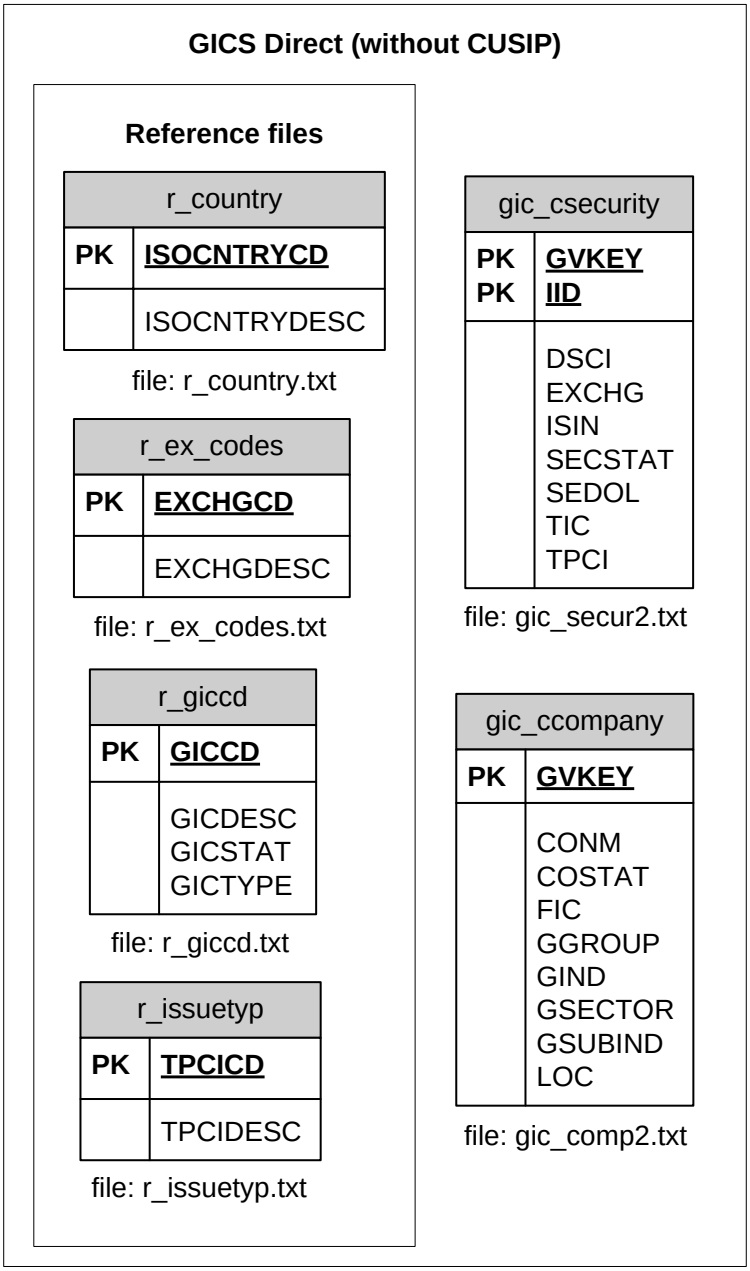
Delivery Frequency

Delivery frequency depends upon your subscription. If you have any questions, please contact your account team.

Xpressfeed Loader Schema

The schema below represents the structure of the GICS Direct Package (*without CUSIP*) as delivered through the Xpressfeed Loader. Primary keys appear in bold font and are designated with the initials PK. All tables reflect Xpressfeed Loader table names. The associated file name for FTP clients is given beneath each table.

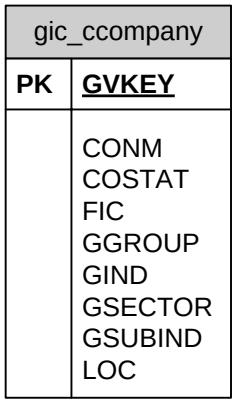
The schema provides each field contained within a record. For clients using a custom loading process, you may find the diagram helpful in identifying primary keys and in applying Change File updates.



This schema is for illustrative purposes only. If you subscribe to GICS Direct with CUSIP, the CUSIP field will appear in the gic_csecurity table.

gic_ccompany Table

The **gic_ccompany** table provides basic descriptive information for a company as well as the corresponding GICS industry classification levels.



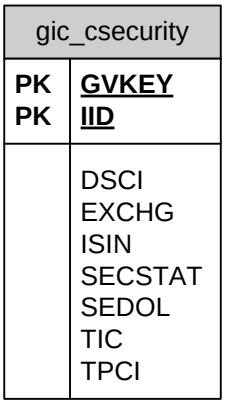
file: gic_comp2.txt

Table 9. gic_ccompany fields

Mnemonic	Description	Data Type	Field Size
GVKEY	Company Identifier	VARCHAR	6
CONM	Company Name	VARCHAR	255
COSTAT	Company Status Marker (A: Active, I: Inactive)	VARCHAR	1
FIC	Country of Incorporation	VARCHAR	3
GGROUP	GICS Industry Group (4 characters)	VARCHAR	4
GIND	GICS Industry (6 characters)	VARCHAR	6
GSECTOR	GICS Sector (2 character)	VARCHAR	2
GSUBIND	GICS Sub-industry (8 characters)	VARCHAR	8
LOC	Standard & Poor's Country of Domicile	VARCHAR	3

gic_csecurity Table

The **gic_csecurity** table provides basic descriptive information for a security.



file: gic_secur2.txt

Table 10. gic_csecurity fields

Mnemonic	Description	Data Type	Field Size
GVKEY	Company Identifier	VARCHAR	6
IID	Issue Identifier	VARCHAR	3
DSCI	Security Description	VARCHAR	28
EXCHG	Exchange Code	SMALLINT	4
ISIN	ISIN	VARCHAR	12
SECSTAT	Security Status Marker (A: Active)	VARCHAR	1
SEDOL	SEDOL	VARCHAR	7
TIC	Ticker/Trading Symbol	VARCHAR	8
TPCI	Issue Type	VARCHAR	8

Note: If you subscribe to GICS Direct with CUSIP, the CUSIP field will appear in the gic_csecurity table.

r_country Reference Table

The **r_country** table is a reference file that contains the ISO country code and the corresponding country name.

r_country	
PK	**ISOCNTRYCD**
	ISOCNTRYDESC

file: r_country.txt

Table 11. r_country reference data

Mnemonic	Description	Data Type	Field Size
ISOCNTRYCD	Country Code	VARCHAR	3
ISOCNTRYDESC	Country Name	VARCHAR	100

r_ex_codes Reference Table

The **r_ex_codes** table is a reference file that contains the exchange code and the corresponding exchange name.

r_ex_codes	
PK	**EXCHGCD**
	EXCHGDESC

file: r_ex_codes.txt

Table 12. r_ex_codes reference data

Mnemonic	Description	Data Type	Field Size
EXCHGCD	Exchange Code	SMALLINT	4
EXCHGDESC	Exchange Name	VARCHAR	100

r_giccd Reference Table

The **r_giccd** table is a reference file that contains the GICS code as well as the GICS description and type.

r_giccd	
PK	**GICCD**
	GICDESC GICSTAT GICTYPE

file: r_giccd.txt

Table 13. r_giccd reference data

-

Mnemonic	Description	Data Type	Field Size
GICCD	GICS Code	SMALLINT	8
GICDESC	GICS Description	VARCHAR	100
GICSTAT	GICS Status	VARCHAR	1
GICTYPE	GICS Type	VARCHAR	8

r_ex_codes Reference Table

The **r_ex_codes** table is a reference file that contains issues type code and corresponding description.

r_issuetyp	
PK	**TPCICD**
	TPCIDESC

file: r_issuetyp.txt

Table 14. r_ex_codes reference data

Mnemonic	Description	Data Type	Field Size
TPCICD	Issue Type Code	VARCHAR	8
TPCIDESC	Issue Description	VARCHAR	255

Xpressfeed Loader Delivery

If you are linking to GICS Direct via the Xpressfeed Loader, this supporting document is available on the S&P Capital IQ Support Center site:

- *Xpressfeed Loader User Guide* – This user guide outlines the features and capabilities of the Xpressfeed Loader.

ASCII/XML format via gicsfiles.com FTP server

If you are subscribing to GICS Direct in ASCII/XML format and linking to GICS Direct via ftp.gicsfiles.com, these supporting documents are available on the S&P Capital IQ Support Center site:

- *GICS Direct Package Specifications* – This document provides details on the data groups and mnemonics delivered in your GICS Direct file.
- *GICS Direct Technical Guid*e – This document is your guide to the technical information that you need to load data files generated from GICS Direct to your system.

XFFMT format via the spcompustat.com FTP server

If you are linking to GICS Direct XFFMT format via the spcompustat.com FTP server, these supporting documents are available on the S&P Capital IQ Support Center:

- *EDX FTP File Delivery Technical Guide for Xpressfeed* – This document provides information for clients who download S&P Capital IQ Industry Sector CRS files directly from the FTP server and write their own loading procedures.
- *Xpressfeed Technical Guide for Compustat XFFMT* – This document explains the structure and use of Xpressfeed files for GICS Direct data in Xpressfeed File Format (XFFMT). It also provides the necessary information to develop your own data repository and loader for Xpressfeed files.

STDFMT format via the spcompustat.com FTP server

If you are subscribing to GICS Direct STDFMT format and linking to GICS Direct via the spcompustat.com FTP server, this supporting document is available on the S&P Capital IQ Support Center site:

- *Xpressfeed Technical Guide for Compustat* – This document explains the structure and use of Xpressfeed files for GICS Direct data in Xpressfeed File Format (STDFMT). It also provides the necessary information to develop your own data repository and loader for Xpressfeed files.

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Sample Query Solutions

This section provides sample queries and solutions for the Industry Sector CRS. All sample queries use SQL Server script.

Sample queries are provided in order to demonstrate table relationships and business rules. Please feel free to optimize the queries for best performance based on your use case.

Primary and secondary SIC codes and descriptions for a company

```
select c.companyId, c.companyName, icc.industryClassCode, icc.industryClassCodeDesc, cic.primaryFlag
from ciqcompany c
join ciqcompanyindclass cic on cic.companyid = c.companyid
join ciqindustryclasscode icc on icc.industryclasscodeid = cic.industryclasscodeid
where c.companyid=882028--NetComm Wireless Limited
and icc.industryClassTypeId = 400
```

Sample results

companyId	companyName	industryClassCode	industryClassCodeDesc	primaryFlag
882028	NetComm Wireless Limited	7374	Data processing and preparation	0
882028	NetComm Wireless Limited	3576	Computer communications equipment	1
882028	NetComm Wireless Limited	3577	Computer peripheral equipment	0
882028	NetComm Wireless Limited	3669	Communications equipment	0

S&P Ratings classification industry tree for CVS Caremark Corporation

```
select
s.industryClassCodeId,
s.industryClassCodeDesc,
s.industryClassParentCodeId,
s.industryClassLevel,
t.primaryFlag

from ciqIndustryClassCode s
join ciqCompanyIndClass t on s.industryClassCodeId = t.industryClassCodeId
where t.companyId = 93625 --CVS Caremark Corporation
and s.industryClassTypeId = 493
order by s.industryClassLevel, s.industryClassParentCodeId
```

Sample results

industry ClassCodeId	industryClassCodeDesc	industry Class ParentCodeId	industry ClassLevel	primaryFlag
9616508	Structured Finance	NULL	1	0
9616422	Global Issuer	NULL	1	1
9616424	Financial Institutions	9616422	2	0
9616423	Corporates	9616422	2	1
9616509	Asset-Backed Commercial Paper	9616508	2	0
9616510	Asset-Backed Securities	9616508	2	0
9616511	Collateralized Debt Obligations	9616508	2	0
9616512	Commercial Mortgage-Backed Securities	9616508	2	0
9616436	Retailing	9616423	3	1

All possible industries in the ICB industry classification (reference query)

```
select * from ciqindustryclasscode A
where A.industryclasstypeid = 604
```

Sample results

industry Class CodeId	industry Class TypeId	industry ClassLevel	industry ClassCode	industryClassCodeDesc	industryClass ParentCodeId
9620699	604	1	1000	Basic Materials	NULL
9620721	604	1	3000	Consumer Goods	NULL
9620722	604	1	5000	Consumer Services	NULL
9620745	604	1	8000	Financials	NULL
9620766	604	1	4000	Health Care	NULL
9620782	604	1	2000	Industrials	NULL
9620809	604	1	1	Oil & Gas	NULL
9620850	604	1	9000	Technology	NULL
9620854	604	1	6000	Telecommunications	NULL
9620866	604	1	7000	Utilities	NULL
9620865	604	2	7500	Utilities	9620866
9620862	604	2	5700	Travel & Leisure	9620722
9620851	604	2	9500	Technology	9620850
9620853	604	2	6500	Telecommunications	9620854
9620810	604	2	500	Oil & Gas	NULL
9620815	604	2	3700	Personal & Household Goods	9620721
9620825	604	2	8600	Real Estate	9620745
9620838	604	2	5300	Retail	9620722
9620783	604	2	8500	Insurance	9620745
9620744	604	2	8700	Financial Services	9620745
9620765	604	2	4500	Health Care	9620766
9620777	604	2	2700	Industrial Goods & Services	9620782
9620816	604	3	3760	Personal Goods	9620815

industry Class CodeId	industry Class TypeId	industry ClassLevel	industry ClassCode	industryClassCodeDesc	industryClass ParentCodeId
9620811	604	3	0530	Oil & Gas Producers	9620810
9620849	604	3	2790	Support Services	9620777
9620852	604	3	9570	Technology Hardware & Equipment	9620851
9620858	604	3	3780	Tobacco	9620815
9620861	604	3	5750	Travel & Leisure	9620862
…	…	…	…	…	

NAICS industry tree for Coca-Cola Company with related NAICS codes

```
Select companyid, industryclasscode, industryclasscodedesc, industryclasslevel,industryClassTypeId
from (
select A.companyid, B.industryclasscode, B.industryclasscodedesc, B.industryclasslevel,
A.industryClassTypeId from ciqcompanyindclass A
join ciqindustryclasscode B on B.industryclasscodeid = A.industryclasscodeid
union all
select A.companyid, C.industryclasscode,C.industryclasscodedesc, C.industryclasslevel,
A.industryClassTypeId from ciqcompanyindclass A
join ciqindustryclasscode B on B.industryclasscodeid = A.industryclasscodeid
join ciqindustryclasscode C on C.industryclasscodeid = B.industryclassparentcodeid
union all
select A.companyid, D.industryclasscode, D.industryclasscodedesc, D.industryclasslevel ,
A.industryClassTypeId from ciqcompanyindclass A
join ciqindustryclasscode B on B.industryclasscodeid = A.industryclasscodeid
join ciqindustryclasscode C on C.industryclasscodeid = B.industryclassparentcodeid
join ciqindustryclasscode D on D.industryclasscodeid = C.industryclassparentcodeid
union all
select A.companyid, E.industryclasscode, E.industryclasscodedesc, E.industryclasslevel ,
A.industryClassTypeId from ciqcompanyindclass A
join ciqindustryclasscode B on B.industryclasscodeid = A.industryclasscodeid
join ciqindustryclasscode C on C.industryclasscodeid = B.industryclassparentcodeid
join ciqindustryclasscode D on D.industryclasscodeid = C.industryclassparentcodeid
join ciqindustryclasscode E on E.industryclasscodeid = D.industryclassparentcodeid
) as main
where companyid = 26642
and industryClassTypeId = 416
order by companyid, industryclasslevel
```

Sample results

companyid	industry classcode	industryclasscodedesc	industry classlevel	industryClassTypeId
26642	3	Manufacturing	1	416
26642	312	Beverage and Tobacco Product Manufacturing	2	416
26642	3121	Beverage Manufacturing	3	416

Peer Group Analysis for Microsoft

```
-- PEER GROUPING ANALYSIS – two variables (CIQCOMPANY ID and SECTORTYPEID)
-- This should return the peer companies of a subject company based on a SECTORTYPEID that you chose.

SELECT ict.industryClassTypeName AS 'Industry Class Type Name',icc.industryClassCode AS 'Industry
Class Code',
icc.industryClassCodeDesc AS 'Industry Class Code Description',co.companyId AS 'Peer
companyId',co.companyName AS 'Peer Company Name'
FROM ciqCompanyIndClass cic (NOLOCK)
JOIN ciqCompany co (NOLOCK)
ON cic.companyId = co.companyId
JOIN ciqIndustryClassCode icc (NOLOCK)
ON cic.industryClassCodeId = icc.industryClassCodeId
JOIN ciqIndustryClassType ict (NOLOCK)
ON icc.industryClassTypeId = ict.industryClassTypeId
WHERE
cic.industryClassCodeId =
(
      SELECT cicInput.industryClassCodeId
      FROM ciqCompanyIndClass cicInput
      WHERE
      cicInput.companyId = 21835 -- Represents Microsoft. Input the subject CIQ companyId.
      AND cicInput.industryClassTypeId = 400 -- Represents SIC. Input the desired "industry class
type ID."
)
ORDER BY co.companyName
```

Sample results

Industry Class Type Name	Industry Class Code	Industry Class Code Description	Peer companyId	Peer Company Name
SIC Firm Characteristic	7372	Prepackaged software	47288105	experiancerved Information Services Societa' Per Azioni In Bre Ve "experiancerved Inform
SIC Firm Characteristic	7372	Prepackaged software	133907030	'bft'
SIC Firm Characteristic	7372	Prepackaged software	104491657	'consultant Plus-Program Technologies' Private Company
SIC Firm Characteristic	7372	Prepackaged software	59022218	'dihouse' Company Limited
SIC Firm Characteristic	7372	Prepackaged software	104807596	'engine' Ltd

Industry Class Type Name	Industry Class Code	Industry Class Code Description	Peer companyId	Peer Company Name
SIC Firm Characteristic	7372	Prepackaged software	113736699	'itpartner' Jsc
SIC Firm Characteristic	7372	Prepackaged software	83526311	'medica' Company Limited
SIC Firm Characteristic	7372	Prepackaged software	33016322	@logistics Reply S.R.L.
SIC Firm Characteristic	7372	Prepackaged software	160130	01 Communique Laboratory Inc.
SIC Firm Characteristic	7372	Prepackaged software	141047549	1 Et 1 Internet Sarl
SIC Firm Characteristic	7372	Prepackaged software	109547745	1. Waldstraße Gmbh
SIC Firm Characteristic	7372	Prepackaged software	27010124	10tacle Studios AG
SIC Firm Characteristic	7372	Prepackaged software	114978149	11 Bit Studios S.A.
SIC Firm Characteristic	7372	Prepackaged software	12764307	124327 Canada Inc
SIC Firm Characteristic	7372	Prepackaged software	22772189	1E Limited
SIC Firm Characteristic	7372	Prepackaged software	133123157	1eEurope (Switzerland) AG
SIC Firm Characteristic	7372	Prepackaged software	47945662	1s, Zao
SIC Firm Characteristic	7372	Prepackaged software	108001242	1s-Rarus, Ooo
SIC Firm Characteristic	7372	Prepackaged software	134103707	1s-Softclub Ooo
SIC Firm Characteristic	7372	Prepackaged software	182829740	1spatial Belgium Sa
SIC Firm Characteristic	7372	Prepackaged software	112260745	1st Holdings, Inc.
SIC Firm Characteristic	7372	Prepackaged software	204662119	2 (ai)
SIC Firm Characteristic	7372	Prepackaged software	46100327	20-20 Fusion Ltd
SIC Firm Characteristic	7372	Prepackaged software	21790244	20-20 Technologies GmbH
SIC Firm Characteristic	7372	Prepackaged software	1061702	20-20 Technologies Inc.
SIC Firm Characteristic	7372	Prepackaged software	223897440	20-20 Technologies Ltd
SIC Firm Characteristic	7372	Prepackaged software	18499	21 International Holdings Inc.
…	…	…	…	…

All companies assigned in the NACE mining division

```
select companyid, industryclasscode,industryclasslevel, industryclasscodedesc
from ciqCompanyIndClass A
join ciqindustryclasscode B on B.industryclassCodeid = A.industryclasscodeId
where B.industryclasscode like '08%' or B.industryclasscode = 'B' --level 1 or 0 of NACE Mining and
all children
and A.industryClassTypeId = 603
order by 2
```

Sample results

companyid	industryclasscode	industryclass level	industryclasscodedesc
21854649	08	2	Other mining and quarrying
29056363	08	2	Other mining and quarrying
20343161	08.11	4	Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
7827369	08.11	4	Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
20701574	08.11	4	Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
45822820	08.11	4	Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
215781710	08.11	4	Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
183865246	08.11	4	Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
882091	08.11	4	Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
879219	08.11	4	Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
24624720	08.11	4	Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
10200368	08.11	4	Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
881899	08.12	4	Operation of gravel and sand pits; mining of clays and kaolin
48714659	08.12	4	Operation of gravel and sand pits; mining of clays and kaolin
35673086	08.12	4	Operation of gravel and sand pits; mining of clays and kaolin
140075966	08.91	4	Mining of chemical and fertiliser minerals
140485382	08.91	4	Mining of chemical and fertiliser minerals
20405252	08.91	4	Mining of chemical and fertiliser minerals
23065476	08.91	4	Mining of chemical and fertiliser minerals
5532911	08.91	4	Mining of chemical and fertiliser minerals

companyid	industryclasscode	industryclass level	industryclasscodedesc
879705	08.93	4	Extraction of salt
880566	08.99	4	Other mining and quarrying n.e.c.
1595808	08.99	4	Other mining and quarrying n.e.c.
49523262	08.99	4	Other mining and quarrying n.e.c.
29618426	08.99	4	Other mining and quarrying n.e.c.
146190025	08.99	4	Other mining and quarrying n.e.c.
21934728	08.99	4	Other mining and quarrying n.e.c.
22071410	08.99	4	Other mining and quarrying n.e.c.
32625931	08.99	4	Other mining and quarrying n.e.c.
99021866	08.99	4	Other mining and quarrying n.e.c.
20411016	08.99	4	Other mining and quarrying n.e.c.
5786369	0800	1	Forestry
7687752	0800	1	Forestry
20701828	0800	1	Forestry
299433	0800	1	Forestry
…	…	…	…

Industry classifications assigned to L'Air Liquide SA

```
select cic.companyid,c.companyname
      ,max(case when cic.industryclasstypeid = 521 then icc.industryclasscode else '' end) as ANZSIC
      ,max(case when cic.industryclasstypeid = 521 then icc.industryclasscodedesc else '' end) as
ANZSIC_DESC
      ,max(case when cic.industryclasstypeid = 400 and primaryflag = 1 then icc.industryclasscode
else '' end) as SIC
      ,max(case when cic.industryclasstypeid = 400 and primaryflag = 1 then icc.industryclasscodedesc
else '' end) as SIC_DESC
      ,max(case when cic.industryclasstypeid = 416 and primaryflag = 1 then icc.industryclasscode
else '' end) as NAICS
      ,max(case when cic.industryclasstypeid = 416 and primaryflag = 1 then icc.industryclasscodedesc
else '' end) as NAICS_DESC
      ,max(case when cic.industryclasstypeid = 603 then icc.industryclasscode else '' end) as NACE
      ,max(case when cic.industryclasstypeid = 603 then icc.industryclasscodedesc else '' end) as
NACE_DESC
      ,max(case when cic.industryclasstypeid = 604 then icc.industryclasscode else '' end) as ICB
      ,max(case when cic.industryclasstypeid = 604 then icc.industryclasscodedesc else '' end) as
ICB_DESC
      ,max(case when cic.industryclasstypeid = 605 then icc.industryclasscode else '' end) as
ETFSECTOR
      ,max(case when cic.industryclasstypeid = 605 then icc.industryclasscodedesc else '' end) as
ETFSECTOR_DESC
      ,max(case when cic.industryclasstypeid = 493 then icc.industryclasscode else '' end) as
"S&P_Ratings"
      ,max(case when cic.industryclasstypeid = 493 then icc.industryclasscodedesc else '' end) as
"S&PRatings_DESC"
from ciqcompanyindclass cic
join ciqIndustryClasscode icc on icc.industryclasscodeid = cic.industryclasscodeid
join ciqcompany c on c.companyid = cic.companyid
where cic.industryclasstypeid in (521, 400, 416, 493, 603, 604, 605 )
and cic.companyid = 873964

group by cic.companyid, c.companyname
```

Sample results

company id	company name	ANZSIC	ANZSIC_DESC	SIC	SIC_DESC	NAICS	NAICS_DESC	NACE	NACE_DESC	ICB	ICB_DESC	ETF SECTOR	ETF SECTOR_DESC	S&P_ Ratings	S&P Ratings_DESC
873964	L'Air Liquide SA			2810	Industrial inorganic chemicals			20.11	Manufacture of industrial gases	1353	Commodity Chemicals			GLOBISS	Global Issuer

All possible ANZSIC codes and descriptions
(recursive reference query showing visual tree structure)

```
With IndustryTree (industryClassCodeId, industryClassCode, industryClassCodeDesc, industryClassLevel,
industryClassParentCodeId, tree) as

(
--Initial query to create top-level records in hierarchy
select
s.industryClassCodeId,
s.industryClassCode,
s.industryClassCodeDesc,
s.industryClassLevel,
s.industryClassParentCodeId,
CONVERT(varchar(255), s.industryClassCodeDesc)
from ciqindustryClassCode s
where
--Look at all top levels
s.industryClassLevel = 0
and s.industryclasstypeid = 521

Union ALL --Combine with recursive query to create lower branches

select
s2.industryClassCodeId,
s2.industryClassCode,
s2.industryClassCodeDesc,
s2.industryClassLevel,
s2.industryClassParentCodeId,
--Create visual tree branches
convert(varchar(255), rtrim(treeInProcess.tree) + '  |  ' +s2.industryClassCodeDesc)
from
ciqindustryClassCode s2
--Recursive reference
join IndustryTree treeInProcess on treeInProcess.industryClassCodeId = s2.industryClassParentCodeId
)

select industryClassCodeId, industryClassCode, tree from IndustryTree
--Order by visual tree
order by tree
```

Sample results

industry Class CodeId	industry Class Code	tree
9618849	1	Agriculture, Forestry and Fishing | Agriculture
9618881	16	Agriculture, Forestry and Fishing | Agriculture | Dairy Cattle Farming
9618882	160	Agriculture, Forestry and Fishing | Agriculture | Dairy Cattle Farming | Dairy Cattle Farming
9618886	18	Agriculture, Forestry and Fishing | Agriculture | Deer Farming
9618887	180	Agriculture, Forestry and Fishing | Agriculture | Deer Farming | Deer Farming
9618860	13	Agriculture, Forestry and Fishing | Agriculture | Fruit and Tree Nut Growing
9618864	134	Agriculture, Forestry and Fishing | Agriculture | Fruit and Tree Nut Growing | Apple and Pear Growing
9618863	133	Agriculture, Forestry and Fishing | Agriculture | Fruit and Tree Nut Growing | Berry Fruit Growing
9618866	136	Agriculture, Forestry and Fishing | Agriculture | Fruit and Tree Nut Growing | Citrus Fruit Growing
9618861	131	Agriculture, Forestry and Fishing | Agriculture | Fruit and Tree Nut Growing | Grape Growing
9618862	132	Agriculture, Forestry and Fishing | Agriculture | Fruit and Tree Nut Growing | Kiwifruit Growing
9618867	137	Agriculture, Forestry and Fishing | Agriculture | Fruit and Tree Nut Growing | Olive Growing
9618868	139	Agriculture, Forestry and Fishing | Agriculture | Fruit and Tree Nut Growing | Other Fruit and Tree Nut Growing
9618865	135	Agriculture, Forestry and Fishing | Agriculture | Fruit and Tree Nut Growing | Stone Fruit Growing
…	…	…

SIC with a corresponding GICS classification for a particular company

```
/*
This query will pull Microsoft's SIC classification in addition to Microsoft's GICS sub-industry
classification.
*/
SELECT cic.companyId,co.companyName,
ict.industryClassTypeName as [Classification Type],
icc.industryClassCode as [SIC Code],icc.industryClassCodeDesc as [SIC Description],
crit.identifierTypeName as [Mapping Identifier Type],
gicco.gvkey,gicco.conm,giccd.giccd as [GICS Code],giccd.gicdesc as [GICS Description]
------------------------------
-- Industry Sector CRS Table
------------------------------
FROM ciqCompanyIndClass cic
------------------------------
-- Cross Reference Core Tables
------------------------------
JOIN ciqIndustryClassType ict
ON cic.industryClassTypeId = ict.industryClassTypeId
JOIN ciqIndustryClassCode icc
ON cic.industryClassCodeId = icc.industryClassCodeId
----------------------------------
-- Base Foundation Company Table
----------------------------------
JOIN ciqCompany co
ON cic.companyId = co.companyId
----------------------------------
-- Compustat GVKEY Identifier Table
----------------------------------
JOIN ciqCompanyCrossRef ccr
ON cic.companyId = ccr.companyId
------------------------------
-- Cross Reference Core Table
------------------------------
JOIN ciqCrossRefIdentifierType crit
ON ccr.identifierTypeId = crit.identifierTypeId
-----------------------
-- GICS Direct Tables
-----------------------
JOIN gic_ccompany gicco
```

```
ON ccr.identifierValue = gicco.gvkey
JOIN r_giccd giccd
ON gicco.gsubind = giccd.giccd
-----------------------
WHERE cic.companyId = 21835 -- Microsoft
AND cic.industryClassTypeId = 400 -- SIC classification
AND ccr.identifierTypeId = 69 -- Basic companyId-to-GVKey Mapping
AND ccr.activeFlag = 1 -- Active mappings only
AND ccr.primaryFlag = 1 -- Primary mapping only
```

Sample results

companyId	companyName	Classification Type	SIC Code	SIC Description	Mapping Identifier Type	gvkey	conm	GICS Code	GICS Description
21835	Microsoft Corporation	SIC Firm Characteristic	7372	Prepackaged software	S&P GVKey	12141	MICROSOFT CORP	45103020	Systems Software

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Frequently Asked Questions

Which industry classifications are created and validated by S&P Capital IQ?

- GICS
- S&P Capital IQ Exchange Traded Fund Classification
- S&P Ratings Sectors
- SIC – Standard Industrial Classification
- NAICS – North American Industry Classification System
- NACE – Nomenclature des Activités Économiques dans la Communauté Européenne
- ANZSIC – Australian and New Zealand Standard Industrial Classification

Who are the providers of industry sector data?

Providers of the industry classification are listed below.

INDUSTRY CLASSIFICATION	PROVIDER
GICS	• S&P Capital IQ and MSCI
S&P Capital IQ Exchange Traded Fund Classification	• S&P Capital IQ
S&P Ratings Sectors	• Standard and Poor's Ratings
ICB Sector Classification (ICB)	• ICB
SIC – Standard Industrial Classification	• S&P Capital IQ • Dun & Bradstreet
NAICS – North American Industry Classification System	• S&P Capital IQ • Dun & Bradstreet

INDUSTRY CLASSIFICATION	PROVIDER
NACE – Nomenclature des Activités Économiques dans la Communauté Européenne	• S&P Capital IQ
ANZSIC – Australian and New Zealand Standard Industrial Classification	• S&P Capital IQ

What sources does S&P Capital IQ use to create and validate industry sector data?

Public Companies

The following sources are used to update industry classifications for public companies:

- Company filings such as 10K's and annual reports from exchanges and other regulated bodies.
- News stories such as press releases and corporate announcements
- Surveys and direct company contact
- Company websites

All companies are reviewed at least once per year. The companies are reviewed in order based on our internal prioritization process. This process is based primarily on market capitalization and page views.

- Daily monitoring of key developments that can affect a company's classification such as strategic alliances, discontinued operations, business expansions, downsizing of operations, business restructuring, and name changes.
- Daily monitoring of transactions such as corporate actions, mergers, acquisitions, and spin offs.
- Changes in one classification will trigger a review for potential changes in the remaining classifications (e.g., NAICS, NACE, and SIC).

Private Companies

As different countries have different disclosure requirements for private companies, and not all private companies are required to file their annual reports with regulatory bodies, the following sources are used to collect the data:

- Company filings such as annual reports or other regulatory filings.
- News stories such as press releases and corporate announcements
- Data-feed (private company financials) if the company is followed by the third party private company financials provider.
- Company websites

The frequency by which a company is updated is determined by its relative importance to users. This is based on revenues, page views, and amount of other data associated with the record. On average approximately 400 companies are added daily with industry classifications. Once completed, they fall into one of the below levels for periodic review.

- Companies with the highest importance are reviewed annually.
- The next level of importance is reviewed once every 2 years.

- The lowest priority companies are classified at initialization and reviewed if triggered by key event or market activity.
- Companies covered by our third party feed provider.

How does S&P Capital IQ create and validate third party provider data?

Industry classifications from our third party feed providers are not reviewed through our quality control process. The data is the responsibility of the feed provider and any data issues are sent to them to resolve.

Why would I see dissimilar industry classifications linked together?

Different industry classifications may be linked to a single S&P Capital IQ companyId due to the different methodologies used by various industry sector providers. As such, data providers may choose to classify the industry in different ways. For example, SIC and NAICS can be assigned differently by different vendors.

How many levels do you provide for each industry sector?

An industry sector level is defined as the number of tiers or hierarchies that comprise an industry classification. As an example, the ICB Classification system is made up of 10 Industries, 19 Supersectors, 41 Sectors and 114 Subsectors. S&P Capital IQ's Industry Sector CRS provides all four of these classification levels.

INDUSTRY CLASSIFICATION	LEVELS
GICS	4
S&P Capital IQ Exchange Traded Fund Classification	4
S&P Ratings Sectors	4
ICB Sector Classification (ICB)	4
SIC – Standard Industrial Classification	3 (includes a primary and a secondary)
NAICS – North American Industry Classification System	5
NACE – Nomenclature des Activités Économiques dans la Communauté Européenne	6
ANZSIC – Australian and New Zealand Standard Industrial Classification	3

Which S&P Capital IQ entity types contain industry sector data?

S&P Capital IQ entity types are represented by the companyTypeId. Below is a list of the entity types that may be linked to industry sector data.

companyTypeId	companyType Name	Industry Classification
1	Public Investment Firm	• FTSE ICB - Industry Classification Benchmark • NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic
2	Private Investment Firm	• FTSE ICB - Industry Classification Benchmark • NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic
4	Public Company	• FTSE ICB - Industry Classification Benchmark • NACE Firm Characteristic • NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic • ANZSIC Firm Characteristic
5	Private Company	• FTSE ICB - Industry Classification Benchmark • NACE Firm Characteristic • NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic • ANZSIC Firm Characteristic
7	Financial Service Investment Arm	• SIC Firm Characteristic
9	Private Fund	• FTSE ICB - Industry Classification Benchmark • NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic
13	Public Fund	• ETF Sector/Industry Classification • FTSE ICB - Industry Classification Benchmark • NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic
17	Educational Institution	• FTSE ICB - Industry Classification Benchmark • NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic
18	Arts Institution	• NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic

companyTypeId	companyTypeName	Industry Classification
19	Labor Union	• NAICS Firm Characteristic • SIC Firm Characteristic
20	Government Institution	• FTSE ICB - Industry Classification Benchmark • NACE Firm Characteristic • NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic
21	Religious Institution	• NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic
22	Trade Association	• NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic
23	Foundation / Charitable Institution	• NACE Firm Characteristic • NAICS Firm Characteristic • S&P Ratings Sector/Industry Classification • SIC Firm Characteristic

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Reference Material

Additional reference material is as follows:

Australian Bureau of Statistics ANSZIC Information
http://www.abs.gov.au/ausstats/abs@.nsf/mf/1292.0

Numerical List of Australian and New Zealand Standard Industrial Classification (ANZSIC)
http://www.npi.gov.au/reporting/industry-reporting-materials/anzsic-code-list

GICS Data
http://www.standardandpoors.com/products-services/GICS/en/us

GICS Map Book
http://www.standardandpoors.com/servlet/BlobServer?blobheadername3=MDT-Type&blobcol=urldata&blobtable=MungoBlobs&blobheadervalue2=inline%3B+filename%3DGICS_MAPBOOK_electronic_0711.pdf&blobheadername2=Content-Disposition&blobheadervalue1=application%2Fpdf&blobkey=id&blobheadername1=content-type&blobwhere=1243945221356&blobheadervalue3=UTF-8

List of NACE Codes
http://ec.europa.eu/environment/emas/pdf/general/nacecodes_en.pdf

List of NAICS Codes
https://www.census.gov/eos/www/naics/

List of SIC Codes
https://www.osha.gov/pls/imis/sic_manual.html

S&P Capital IQ Exchange-Traded Fund Ranking Methodology
https://www.capitaliq.com/media/172890-whitepaper_ETF_2013-05-14.pdf

S&P Capital IQ Exchange-Traded Fund Style Classifications
https://www.capitaliq.com/media/165956-S&P-ETF_5.10.13.pdf

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Revision History

The changes made to this document include the following:

Document Version	Date	Changes
1.0	06/11/2014	• Initial version
1.1	07/14/2014	• Added content clarifying that primary keys are displayed first in visual depictions of tables/files • Revised queries • Additional FAQ listing industry sectors available for each company type
1.2	07/15/2014	• Revised table name from **ciqIndustryClassification** Type table to **ciqIndustryClassType**. Updated schemas and table displays. • Updated query for “Industry classifications assigned to L’Air Liquide SA. • Updated information regarding linking to GICS data on page. 20.
1.3	7/17/2014	• Added ETF Classifications to Public Package
1.4	9/08/2014	• Revised information on linking to GICS Direct
1.5	04/12/2016	• Updated section titled “Which S&P Capital IQ entity types contain industry sector data?” • Various branding updates