Company Information and Ticker Mapping ®

Complete Symbol and Identifier Mapping and
Corporate Actions for Global Equities

Tick Data's *Company Information/Ticker Mapping*® (CITM) dataset provides complete corporate identifier mappings for options and global equities in plain-text. Offered by market, it is supported with files containing dividends, stock splits, and spin offs. CITM is available as an add-on to a data license or as a standalone product.

What is a Symbol Map?

A symbol map is the set of instructions for how to assemble as-traded symbols into a complete time series for a particular security. For example, the company today named Citigroup, Inc. currently trades under the symbol **C**, but has experienced the following mapping events since our data began in 1993:

C = C + CCI + TRV + PA with three name changes and five CUSIP changes along to way.

ID #	Event Date	Event Type	Old Value	New Value
1335	01/04/1993	Listing	-	PA
1335	01/04/1993	CUSIP Change	-	74158910
1335	01/03/1994	Name Change	PRIMERICA CORP NEW	TRAVELERS INC THE
1335	01/03/1994	CUSIP Change	74158910	89419010
1335	04/27/1995	Name Change	TRAVELERS INC THE	TRAVELERS GROUP INC
1335	10/08/1998	Name Change	TRAVELERS GROUP INC	CITIGROUP
1335	01/03/1994	Ticker Symbol Change	PA	TRV
1335	01/02/1998	CUSIP Change	89419010	69338P10
1335	10/08/1998	Ticker Symbol Change	TRV	CCI
1335	10/08/1998	CUSIP Change	69338P10	17296710
1335	12/04/1998	Ticker Symbol Change	CCI	C
1335	05/09/2011	CUSIP Change	17296710	17296742

As-Traded vs. Time Series Data

Tick Data stores market data in files containing one day of data for one security, named by the symbol under which it traded on a given day. This is called "*as-traded*" data. Storing data by as-traded symbol provides the flexibility to build, update, and revise a set of corporate actions (including the symbol map, splits, dividends, spinoffs, etc.) that are independently maintained and applied to raw market data.

While as-traded data can be used in one-day increments, most clients prefer to look at longer periods of time. Files of more than one day in length are referred to as "*time series*" data; to be constructed, they require not only the market data, but a symbol map as well. Only with a complete and accurate symbol map can a time series be built with confidence.

Why CITM?
Our TickWrite® Data Management Software contains Tick Data's symbol map encrypted within its metafiles. TickWrite is a powerful and convenient way to build custom-formatted time series files, and it is provided at no extra cost with all data orders. However, some clients wish to database the data we provide and build time series using their own queries and analytics. We offer CITM to clients who require a symbol map in plain text, for use with OR without TickWrite.

What Can You Do With Tick Data's CITM?
CITM is ideal for TCA applications where you want to match as-traded data for a single day with a list of stored executions. Also, for back-testing purposes, where longer time periods are required, as-traded symbols need to be combined into a single time series through the application of a symbol/identifier map:

- Convert any [identifier, date] pair into another identifier of the same or different date. For example:
  [CUSIP, date] pair to get the symbol on that date.
  [current symbol, date] pair to get the old symbol/CUSIP trading on that date.

- Map executions to symbols that have changed symbol for TCA applications.
- Map fundamental data, earnings per share, or any data provided by as-traded symbology or CUSIP.
- Access CITM via TickAPI for on-demand applications.

(C, 04/13/1996) → **Chrysler** (Tick Data ID #1208, Last CUSIP= 171196108, Last Symbol = C)
(C, 06/17/1999) → **Citibank** (Tick Data ID #1335, Last CUSIP= 172967424, Last Symbol = C)

Want to Simplify TCA? Click here for more details on Tick Data's TCA Solution: https://tick-data-s3.s3.amazonaws.com/pdf/TCA_Product_Overview.pdf

Want to Simplify Market Surveillance? Click here for more details on Tick Data's Market Surveillance Solution:
https://tick-data-s3.s3.amazonaws.com/pdf/Surveillance_Product_Overview.pdf

What You Get With CITM
CITM consists of five files, each supported with daily updates, if desired**:**

- **Complete Symbol Map (File name *"Events.csv")*

This file includes new listings, symbol changes, exchange changes, name changes, and CUISP or ISIN changes (depending on the market). The table on page 1 is an excerpt of an Events file.

- **Company Identifier Information (File name "*CompanyInfo.asc*")**
  This file provides a map from Tick Data's internal ID# to current symbol, company name, CUSIP or ISIN, and provides the start and end dates of the ID's time series.

Tick Data ID#	Symbol	Company Name	CUSIP	First Date	Last Date
1335	C	CITIGROUP	17296742	01/04/1993	04/16/2016
1208	C	CHRYSLER CORP	17119610	01/04/1993	11/12/1998

- **Cash Dividends (File name "*Dividends.csv*")**

ID#	Declared Date	Ex Date	Record Date	Pay Date	Net Amount	Gross Amount	Currency	Adjustment Factor
2	1/13/2017	2/1/2017	2/3/2017	2/25/2017		0.06	USD	0.997366
24	1/31/2017	2/9/2017	2/13/2017	2/16/2017		0.57	USD	0.995683
41	1/31/2017	2/10/2017	2/14/2017	2/28/2017		0.08	USD	0.997452
70	2/1/2017	2/13/2017	2/15/2017	2/28/2017		0.069	USD	0.996312
128	2/7/2017	2/16/2017	2/21/2017	3/14/2017		0.32	USD	0.992803

- **Stock Splits (File name "*Splits.csv*")**

ID #	Event Date	Event Type	Split Ratio
1335	03/01/1993	Stock Split	0.666667
1335	08/30/1993	Stock Split	0.750188
1335	05/28/1996	Stock Split	0.666667
1335	11/25/1996	Stock Split	0.750188
1335	11/20/1997	Stock Split	0.666667
1335	06/01/1999	Stock Split	0.666667
1335	08/28/2000	Stock Split	0.750188
1335	05/09/2011	Stock Split	10

- **Spin Offs (File name "*Mergers.csv*")**
  These events function like stock splits in regard to price adjustments, but do not require an adjustment to volume.

ID #	Event Date	Event Type	Split Ratio
1335	10/03/1995	Merger Ratio	0.9962
1335	08/21/2002	Merger Ratio	0.930116

For more information about our Reference Data solutions, contact Tick Data sales:

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