S&P Dow Jones Indices

A Division of S&P Global

UFF 2.0 for Equity

Specifications

(v1.7)

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INTRODUCTION

Purpose

The purpose of this document is to serve as a central repository for all the rules governing the general format and valuation of UFF file fields for equities-based indices only. When a UFF file is inspected, this document will serve as a guide to decoding the information contained in the files. This document will outline the conditions and specifications that govern any fields that are valued conditionally for the purposes of distribution.

Scope

This document will not discuss the index methodology in any way, except in so far as certain attributes of an index might be reflected in the file format: for example, Shares Outstanding may not be valued for equal-weighted indices. Thus, matters of price, index level and numerical valuation of the index components are not within the scope of this document. For the discussion of such matters the reader should consult the appropriate index methodology documentation. In addition, this document will not discuss any aspect of any index that is not an equities-based index.

For purposes of this document, the following UFF 2.0 files will be discussed:

- Index Levels – file extension .SDL
- Index Constituent Details – file extension .SDC
- Index Corporate Events – file extension .SDE

Conventions

When discussing file formats, this document will use the terminology of “rows” and “columns.” The files are sent as tab-delimited ASCII text files. When using Microsoft Excel to open the tab-delimited ASCII text file, the data is translated into rows and columns in the spreadsheet. When viewing the text files as text only outside of Excel, “row” to refers to a line in the tab-delimited ASCII text file and “column” refers to the corresponding tab-delimited data within the row.

The following terminology applies in reference to field formats:

- Alphanumeric: consists of the characters a-z, A-Z, 0-9 and blank.
- Date: consists of a valid date of a specified format, often YYYMMDD. Certain files such as Corporate Actions .SDE files and intra-day alerts may include other date formats such as:
  - DD-MMM-YYYY (e.g. 25-Jul-2012)
  - MMM DD, YYYY with the time HH:MM:SS AM/PM (e.g. Jul 18, 2012 10:00:00 AM)
- Integer: consists of the characters 0-9 with no fractional part.
- Numeric: consists of the characters 0-9, decimal point and negative sign.
- Text: consists of alphanumeric plus all of the keyboard characters.

The following terminology applies in reference to field values:

- Bold face type represents a value or portion of a value that will appear just as typed.
- Lower-case italic type represents a value or portion of a value that will be substituted within the string:
    - *yyyymmdd* stands for a date in the numerical format specified, e.g. 20080921 could be substituted for *yyyymmdd*.
    - *blank* stands for a blank or null value.

FILE CONVENTIONS

File Naming Convention

UFF 2.0 files follow a simple naming convention. The file name typically consists of the effective date, the index alias, and the suffix and extension appropriate for the file type.

File Extensions

There are three file extensions:

Description	File extension
Index Levels	*yyyymmdd_indexalias*.**SDL**
Constituent Details	*yyyymmdd_indexalias*_CLS.**SDC**
Corporate Events	*yyyymmdd_indexalias*.**SDE**

File Types

There are two index file types, four constituent detail file types, and one corporate events file type:

Description	File extension
Index Levels	*yyyymmdd_indexalias*.**SDL**
Index Levels End of Month	*yyyymmdd_indexalias*_**EOM.SDL**
Constituent Details Close	*yyyymmdd_indexalias*_**CLS.SDC**
Constituent Details Adjusted Close	*yyyymmdd_indexalias*_**ADJ.SDC**
Constituent Details Proforma	*yyyymmdd_indexalias*_**PRO.SDC**
Constituent Details End of Month	*yyyymmdd_indexalias*_**EOM.SDC**
Corporate Events	*yyyymmdd_indexalias*.**SDE**

File Identifier Versions

For each constituent file, there are four versions based on identifier access:

Description	Standard	No Cusip No select ISIN No Sedol	No Cusip No select ISIN	No Sedol
Constituent Details Close	_CLS.SDC	_NCS_CLS.SDC	_NC_CLS.SDC	_NS_CLS.SDC
Constituent Details Adjusted Close	_ADJ.SDC	_NCS_ADJ.SDC	_NC_ADJ.SDC	_NS_ADJ.SDC
Constituent Details Proforma	_PRO.SDC	_NCS_PRO.SDC	_NC_PRO.SDC	_NS_PRO.SDC
Constituent Details End of Month	_EOM.SDC	_NCS_EOM.SDC	_NC_EOM.SDC	_NS_EOM.SDC
Corporate Events	.SDE	_NCS.SDE	_NC.SDE	_NS.SDE

File Endings

The following comprises the available file endings:

Description	File Extension
Index Levels	*yyyymmdd_indexalias*.**SDL**
Index Levels End of Month	*yyyymmdd_indexalias*_**EOM.SDL**
Constituent Details Close – Standard	*yyyymmdd_indexalias*_**CLS.SDC**
Constituent Details Close – No Cusip, ISIN	*yyyymmdd_indexalias*_**NC_CLS.SDC**
Constituent Details Close – No Sedol	*yyyymmdd_indexalias*_**NS_CLS.SDC**
Constituent Details Close – No Cusip, ISIN, Sedol	*yyyymmdd_indexalias*_**NCS_CLS.SDC**
Constituent Details Adjusted Close – Standard	*yyyymmdd_indexalias*_**ADJ.SDC**
Constituent Details Adjusted Close – No Cusip, ISIN	*yyyymmdd_indexalias*_**NC_ADJ.SDC**
Constituent Details Adjusted Close – No Sedol	*yyyymmdd_indexalias*_**NS_ADJ.SDC**
Constituent Details Adjusted Close – No Cusip, ISIN, Sedol	*yyyymmdd_indexalias*_**NCS_ADJ.SDC**
Constituent Details Pro Forma – Standard	*yyyymmdd_indexalias*_**PRO.SDC**
Constituent Details Pro Forma – No Cusip, ISIN	*yyyymmdd_indexalias*_**NC_PRO.SDC**
Constituent Details Pro Forma – No Sedol	*yyyymmdd_indexalias*_**NS_PRO.SDC**
Constituent Details Pro Forma – No Cusip, ISIN, Sedol	*yyyymmdd_indexalias*_**NCS_PRO.SDC**
Constituent Details End of Month – Standard	*yyyymmdd_indexalias*_**EOM.SDC**
Constituent Details End of Month – No Cusip, ISIN	*yyyymmdd_indexalias*_**NC_EOM.SDC**
Constituent Details End of Month – No Sedol	*yyyymmdd_indexalias*_**NS_EOM.SDC**
Constituent Details End of Month – No Cusip, ISIN, Sedol	*yyyymmdd_indexalias*_**NCS_EOM.SDC**
Corporate Events – Standard	*yyyymmdd_indexalias*.**SDE**
Corporate Events – No Cusip, ISIN	*yyyymmdd_indexalias*_**NC.SDE**
Corporate Events – No Sedol	*yyyymmdd_indexalias*_**NS.SDE**
Corporate Events – No Cusip, ISIN, Sedol	*yyyymmdd_indexalias*_**NCS.SDE**

INDEX LEVEL FILE - .SDL

The .SDL Index Levels file is an ASCII text, tab-delimited file consisting of the closing levels for the indices.

.SDL File Data Contents

The first row of the .SDL Index Levels file contains the following data column headers in the following order:

.SDL Column Headers			
1. CHANGE	5. INDEX KEY	9. CLOSE MARKET CAP	13. INDEX DIVIDEND
2. DATE OF INDEX	6. GICS CODE	10. CLOSE DIVISOR	14. ADJ MARKET CAP
3. INDEX NAME	7. ISO CODE	11. CLOSE COUNT	15. ADJ DIVISOR
4. INDEX CODE	8. INDEX VALUE	12. DAILY RETURN	16. ADJ COUNT

A series of data rows will appear immediately following these column headers, with one data row for each index included in the file.

A more detailed explanation of each data column follows including the column description, format, content notes and any special handling applicable.

Column Header	Description	Format	Special Handling
1. CHANGE	A "#" symbol will be present to denote any adjustment made to the divisor based on events effective for the next trading day.	Alphanumeric; Max. Length: 1	Blank when not applicable.
2. DATE OF INDEX	Indicative of when the reported index level data is applicable. If an index did not trade on the day of the file, then the last trade date will be displayed.	Date format is *yyyymmdd.*	-
3. INDEX NAME	The official name of the index.	Alphanumeric; Max. Length: 200	-
4. INDEX CODE	A short code for the index. This field is unique within a file, but not unique across different families.	Alphanumeric; Max. Length: 200	-
5. INDEX KEY	A unique index identifier that also represents all characteristics of the index, e.g. size, sector, currency, etc. See chapter *Index Keys* for more information.	Alphanumeric; Max. Length: 200	-
6. GICS CODE	GICS classification code is only provided for indices defined by a single GICS CODE classification. Value is NULL if the index is not associated with a GICS code, or associated with DJI codes, custom sectors and multiple GICS codes.	Integer; Max. Length: 8; Format will always be 2 digits times 4 levels.	-
7. ISO CODE	The 3-character ISO currency code for the currency in which the index level data is being reported in and stock market capitalizations are being normalized to.	Alphanumeric; Max. Length: 20	-
8. INDEX VALUE	The end-of-day closing value.	Numeric; Max. Length: 38; Max. Precision: 14	-
9. CLOSE MARKET CAP	The sum of all constituent INDEX MARKET CAPs, stated in the currency of the index.	Numeric; Max. Length: 38; Max. Precision: 14	Blank for all total return indices except those where their dividends are reinvested in the index at the market open.
10. CLOSE DIVISOR	An index divisor is the basis for comparability across time, and the starting point for adjustments that need to be made due to changes in the equity composition of the underlying companies in the index or to corporate actions that cause changes to the market value of the stocks in the index.	Numeric; Max. Length: 38; Max. Precision: 14	Blank for all total return indices except those where their dividends are reinvested in the index at the market open.
11. CLOSE COUNT	The number of securities that make up the index portfolio at the end-of-day close.	Integer; Max. Length: 15	-
12. DAILY RETURN	Calculated as: [(today's index value / yesterday's index value) – 1].	Numeric; Max. Length: 38; Max. Precision: 20	-
13. INDEX DIVIDEND	The impact on the index from dividends issued by constituents with an ex-date of the DATE OF THE INDEX. [Sum of (DIVIDEND * INDEX SHARES * FX RATE)] / CLOSE DIVISOR Please note that net total return indices account for taxes by subtracting out taxes from the DIVIDEND amount.	Numeric; Max. Length: 38; Max. Precision: 14	Null if no dividends issued on that day; Blank for all price return and open total return indices; Valued for total return and net total return indices.
14. ADJ MARKET CAP	The adjusted market capitalization is calculated after the index's markets have closed, taking into account any adjustments being made to the securities (adds, drops, share changes, growth/value weight changes, etc.) prior to the start of trading for the following index trading day. Same as CLOSE MARKET CAP if there are no changes.	Numeric; Max. Length: 38; Max. Precision: 14	Blank for all total return indices except those where their dividends are reinvested in the index at the market open.
15. ADJ DIVISOR	Any adjustments made to the index CLOSE DIVISOR due to corporate actions, constituent changes or specific index methodology changes occurring on the next day are reflected in the ADJ DIVISOR (aka next day open divisor). The divisor is adjusted to ensure index levels remain consistent and comparable. Same as CLOSE DIVISOR if there are no changes.	Numeric; Max. Length: 38; Max. Precision: 14	Blank for all total return indices except those where their dividends are reinvested in the index at the market open.
16. ADJ COUNT	The number of securities that make up the index portfolio as of the following index trading day taking into account any additions and/or deletions.	Integer; Max. Length: 15	-

Trailer Rows

A single trailer row will appear immediately following the data rows and can be used as an end-of-file indicator. The line count that appears includes each row in the file, excluding the trailer row itself. The trailer row consists of two columns. The first column is the trailer title itself (i.e. LINE COUNT:). The second column consists of an integer summarizing the number of data rows included in the file, excluding the trailer row itself.

Column Header	Description	Format
LINE COUNT:	The number of data rows included in the file, excluding the LINE COUNT row itself.	Integer

INDEX LEVEL END OF MONTH FILE - EOM.SDL

The EOM.SDL format mirrors the standard .SDL format except for the following differences:

The return and dividend columns are prefaced with MTD.

Column Header	Description	Format	Special Handling
MTD RETURN	Percent Change Month/Month	Numeric 3, 20	
MTD INDEX DIVIDEND	Month-to-date Index Dividend	Numeric 38,14	Null except for TR/NTR Indices

The EOM.SDL file has ten additional fields for valuation data items.

Column Header	Description	Format	Special Handling
FY0 P/E	Current P/E	Numeric 38,14	Current year, when unavailable last reported period is used.
1 YR FWD P/E	One year forward price/earnings ratio	Numeric 38,14	
2 YR FWD P/E	Two year forward price/earnings ratio	Numeric 38,14	
12 MO TRAILING P/E	12 month trailing price/earnings ratio	Numeric 38,14	Last 12 months, when unavailable FY0, when still unavailable last reported period is used.
P/BV	Price/book value	Numeric 38,14	Current year, when unavailable last reported period is used.
P/CF	Price/cash flow	Numeric 38,14	Current year, when unavailable last reported period is used.
P/S	Price/sales	Numeric 38,14	Current year, when unavailable last reported period is used.
ROE	Return on equity	Numeric 38,14	(P/BV) / (FYO P/E) *100
DIV YLD	Trailing Dividend Yield	Numeric 38,14	Trailing 12 month dividend yield using as-reported dividend.
IND YLD	Indicated Dividend Yield	Numeric 38,14	Expected 12 month dividend yield using most recently reported dividend.

Index Keys

Index keys are unique identifiers and are coded to highlight the methodology and characteristics of an index.

Below are the Index Key character descriptions and their associated meanings. Reference the full list of codes at SP_Dow_Jones_Index_Key_Reference.xlsx

Characters	Component	Description
1-2	Brand	Distinguishes S&P Indices and Dow Jones Indexes index, or a member of another non-standard index brand or custom index
3-6	Index Family	The index family category the index belongs to, such as U.S. Domestic Indices, Global Benchmarks, Canadian Domestic Indices, Australian Indices, etc.
7-10	Index Specific	The parent index the index belongs to
11-13	Index Currency	The currency the index is calculated in, based on ISO currency code standards. In addition to that, indices calculated using the domestic currencies of the stocks and not converted back to a currency are referenced by the code "LCL".
14-15	Weighting Scheme	The weighting scheme methodology the index is calculated in
16-17	Attribute	Attribute factor the index is calculated upon such as: Growth, Value, Pure Growth, Pure Value, Shariah, and Style/Shariah, etc
18-19	Return Type	Index's return type specifications. Amongst the most common equity return types are Price Return, Gross Total Return (Total Return) and Net Total Return. In addition, many indices publish currency hedged returns.
20-22	Country/Region	Index's geographical market representation. An index's geographical market may be national (a single country), regional (multiple countries in a specified region) or global.
23-25	Size/Cap Range	The Size/Cap Range code informs the subscriber about the index constituents' market capitalization range whether small cap, mid cap, large cap, large & mid cap, mid & small cap, etc. or various U.S. Dollar (USD) or range amounts.
26+ (Optional)	Sector Information	Either the GICS Code, Property & REIT Code, DJI Classification, or DJI Alternate Classifications

Example 1

Index Name: S&P 500 Wireless Telecommunication Services (Sub Ind) Index Key: SPUSA-500-USDUF--P-US-L--50102010

Index Key Code Breakdown			
Field	**Character Position**	**Code**	**Code Description**
Brand of Index	1-2	SP	Standard & Poor’s
Index Family	3-6	USA-	U.S. Indices
Index Specific	7-10	500-	S&P 500
Index Currency	11-13	USD	U.S. Dollar
Weighting Scheme	14-15	UF	Unrestricted Float
Index Attribute	16-17	-	Not Applicable
Index Return Type	18-19	P-	Price Return
Country / Region	20-22	US-	U.S.
Size / Cap Range	23-25	L--	Large Cap
Sector Information	26+	50102010	Wireless Telecommunication Services Sub-Industry GICS Code

Example 2

Index Name: S&P Global BMI (USD)

Index Key: SPGBBMBMI-USDFF--P-RGL---

Index Key Code Breakdown			
Field	**Character Position**	**Code**	**Code Description**
Brand of Index	1-2	SP	Standard & Poor's
Index Family	3-6	GBBM	Global Benchmark
Index Specific	7-10	BMI-	S&P BMI Broad Market Index
Index Currency	11-13	USD	U.S. Dollar
Weighting Scheme	14-15	FF	Free Float
Index Attribute	16-17	-	Not Applicable
Index Return Type	18-19	P-	Price Return
Country / Region	20-22	RGL	Global
Size / Cap Range	23-25	-	Not Applicable
Sector Information	26+	-	Optional GICS Code

Example 3

Index Name: S&P Asia Pacific Ex-Japan BMI Value Industrials (US Dollar) Net Total Return

Index Key: SPGBBMBMI-USDFFV-N-RAJ---20

Index Key Code Breakdown			
Field	**Character Position**	**Code**	**Code Description**
Brand of Index	1-2	SP	Standard & Poor's
Index Family	3-6	GBBM	Global Benchmark
Index Specific	7-10	BMI-	S&P BMI Broad Market Index
Index Currency	11-13	USD	U.S. Dollar
Weighting Scheme	14-15	FF	Free Float
Index Attribute	16-17	V-	Value
Index Return Type	18-19	N-	Net Total Return
Country / Region	20-22	RAJ	Asia Pacific ex-Japan
Size / Cap Range	23-25	-	Not Applicable
Sector Information	26+	20	Industrials Sector GICS Code

CONSTITUENT DETAILS FILE - .SDC

The .SDC Constituent Details file is an ASCII text, tab-delimited file consisting of information on the constituents of the index. A standard format is shared by files ending in CLS.SDC, ADJ.SDC, and PRO.SDC.

.SDC File Data Contents

The first row of the .SDC Index Constituent Details file contains the following data column headers in the following order:

.SDC Column Headers		
1. INDEX NAME	14. GICS CODE	27. MARKET CAP
2. INDEX CODE	15. DJI INDUSTRY CODE	28. IWF
3. INDEX KEY	16. ALTERNATE CLASSIFICATION CODE	29. AWF
4. EFFECTIVE DATE	17. MIC	30. GROWTH
5. COMPANY	18. COUNTRY OF DOMICILE	31. VALUE
6. RIC	19. COUNTRY OF LISTING	32. INDEX SHARES
7. BLOOMBERG TICKER	20. REGION	33. INDEX MARKET CAP
8. CUSIP	21. SIZE	34. INDEX WEIGHT
9. ISIN	22. CAP RANGE	35. DAILY PRICE RETURN
10. SEDOL	23. CURRENCY CODE	36. DAILY TOTAL RETURN
11. TICKER	24. LOCAL PRICE	37. DIVIDEND
12. GV KEY	25. FX RATE	38. NET DIVIDEND
13. STOCK KEY	26. SHARES OUTSTANDING	

A series of data rows will appear immediately following these column headers, with one data row for each index constituent included in the file.

A more detailed explanation of each data column follows including the column description, format, content notes and any special handling applicable.

Column Header	Description	Format	Special Handling
1. INDEX NAME	Defines the index name that this stock is related to.	Alphanumeric; Max. Length: 200	-
2. INDEX CODE	Defines the index code that this stock is related to.	Alphanumeric; Max. Length: 200	-
3. INDEX KEY	Defines the index key that this stock is related to. See chapter *Index Keys* for more information.	Alphanumeric; Max. Length: 200	-
4. EFFECTIVE DATE	Indicative of when the constituent level data is applicable. CLS.SDC file shows last close trading date and ADJ.SDC file shows next index trading date.	Date format is *yyyymmdd.*	-
5. COMPANY	The name of the constituent.	Text; Max. Length: 200	-
6. RIC	Reuters Instrument Code, provided on best effort basis.	Text;	-
	RIC must contain exactly one period (".") and the second part must be 1 to 3 characters.	Max. Length: 200	-
7. BLOOMBERG TICKER	Bloomberg ticker, provided on best effort basis. Bloomberg ticker may contain exactly one space (" "). The first part must be 1 to 8 characters and the second part must be 1 to 2 characters.	Text; Max. Length: 200	-
8. CUSIP	Constituent's 9-character CUSIP identifier, provided on best effort basis.	Text; Max. Length: 200	-
9. ISIN	Constituent's 12-character ISIN identifier, provided on best effort basis.	Alphanumeric; Max. Length: 200	-
10. SEDOL	Constituent's 7-character SEDOL identifier, provided on best effort basis.	Alphanumeric; Max. Length: 200	-
11. TICKER	Constituent's stock ticker, associated with the exchange the constituent is traded on, provided on best effort basis.	Alphanumeric; Max. Length: 200	-
12. GV KEY	Constituent's Compustat permanent company identifier, provided on best effort basis.	Alphanumeric; Max. Length: 200	-
13. STOCK KEY	Unique S&P Dow Jones Indices identifier assigned to every stock. This key will be persistent regardless of other identifier changes.	Integer; Max. Length: 15	-
14. GICS CODE	The Global Industry Classification Standard code associated with the constituent, comprising of 8 digits.	Integer; Max. Length: 200; Format will always be 2 digits times 4 levels.	-
15. DJI INDUSTRY CODE	Dow Jones Indexes' proprietary industry classification code associated with the constituent, comprising of 17 digits.	Text; Max. Length: 200; Format will always start with a "D" then 4 digits times 4 levels.	-
16. ALTERNATE CLASSIFICATION CODE	This field is reserved for alternate, product-specific classification schemes. Alternate classifications comprise all sectors not starting with a digit or the letter "D".	Text; Max. Length: 200	-
17. MIC	Market Identification Code, represents the 4-character ISO Code of the exchange the constituent is traded on. Provided on best effort basis.	Alphanumeric; Max. Length: 10	-
18. COUNTRY OF DOMICILE	2-character ISO country code that is associated with the constituent's country of domicile.	Text; Max. Length: 200	-
19. COUNTRY OF LISTING	2-character ISO country code that is associated with the constituent's country of exchange.	Text; Max. Length: 200	-
20. REGION	Available for the Global BMI & GIVI families and indicates if the stock is considered part of a developed or emerging market.	Text; Max. Length: 200	Blank when not applicable.
21. SIZE	Indicates if the stock is classified as a large, mid or small cap stock within the methodology of the index. A stock may be classified as large in one index family, and mid in another. Value is left blank for indices not providing size breakdown.	Alphanumeric; Max. Length: 10	Blank when not applicable.
22. CAP RANGE	Available for index families with breakdown by a market cap bracket. For example, a stock that is classified to be over $25 billion will have the code RO25B.	Alphanumeric; Max. Length: 20	-
23. CURRENCY CODE	The ISO currency code in which the closing price of the stock is stated.	Alphanumeric; Max. Length: 20	-

Column Header	Description	Format	Special Handling
24. LOCAL PRICE	The end-of-day closing price of the stock, represented in the local currency of the stock. For ADJ.SDC files, this value represents today's price taking into account adjustments reflected in the next trading day. For PRO.SDC files, this value represents today's price taking into account adjustments reflected in the rebalancing date.	Numeric; Max. Length: 38; Max. Precision: 14	The LOCAL PRICE field will not deduct dividends in the ADJ file. Clients will need to either obtain the DIVIDEND ADJUSTED PRICE from Column 70 in the .SDE file or subtract the dividend / net dividend (based on TR/NTR index) from the LOCAL PRICE to get the dividend adjusted price.
25. FX RATE	Foreign exchange rate required in order to translate the stock's market value from local to index currency. A stock can have different exchange rates across different families in the event that families close at different time zones.	Numeric; Max. Length: 38; Max. Precision: 14	-
26. SHARES OUTSTANDING	The latest number of shares outstanding for the constituent. For ADJ.SDC files, this value represents the end-of-day shares outstanding taking into account adjustments reflected in the next trading day. For PRO.SDC files, this value represents the end-of-day shares outstanding taking into account adjustments reflected in the rebalancing date.	Integer; Max. Length: 38	-
27. MARKET CAP	The total unadjusted market capitalization of the stock, representing the SHARES OUTSTANDING * LOCAL PRICE * FX RATE. Value is represented in the currency of the parent index.	Numeric; Max. Length: 38; Max. Precision: 14	-
28. IWF	The investible weight factor of the stock in the index. A value of 1 = 100% Free Float. For ADJ.SDC files, this value represents the end-of-day IWF taking into account adjustments reflected in the next trading day. For PRO.SDC files, this value represents the end-of-day IWF taking into account adjustments reflected in the rebalancing date.	Numeric; Max. Length: 38; Max. Precision: 14	-
29. AWF	Additional weight factor as needed for certain methodologies. For methodologies not using AWF, the value will be 1. For ADJ.SDC files, this value represents the end-of-day AWF taking into account adjustments reflected in the next trading day. For PRO.SDC files, this value represents the end-of-day AWF taking into account adjustments reflected in the rebalancing date.	Numeric; Max. Length: 38; Max. Precision: 14	-
30. GROWTH	The growth weight factor associated with the stock. Factor will always be a figure between 0 and 1 for style indices, and either 0 or 1 for pure style indices.	Numeric; Max. Length: 38; Max. Precision: 20	-
31. VALUE	The value weight factor associated with the stock. Factor will always be a figure between 0 and 1 for style indices, and either 0 or 1 for pure style indices. Also equivalent to 1 – GROWTH weight.	Numeric; Max. Length: 38; Max. Precision: 20	-
32. INDEX SHARES	The total number of shares determined and used by the index calculation methodology (i.e. SHARES OUSTANDING * IWF * AWF).	Numeric; Max. Length: 38; Max. Precision: 14	For price weighted indices, value = 1.
33. INDEX MARKET CAP	The portion of the constituent's market cap that is part of the index (i.e. INDEX SHARES * LOCAL PRICE * FX RATE).	Numeric; Max. Length: 38; Max. Precision: 14	Currency indices' CLS.SDC files use parent index values. ADJ.SDC files use formula as noted in the field description.

Column Header	Description	Format	Special Handling
34. INDEX WEIGHT	The weight of the stock within the parent index. Calculated as the INDEX MARKET CAP of the stock / Sum of INDEX MARKET CAPs of all stocks in the index.	Numeric; Max. Length: 38; Max. Precision: 20	-
35. DAILY PRICE RETURN	Daily stock % price return in index currency. Calculated as (((End-of-day LOCAL PRICE * End-of-day FX RATE) / (Start- of-day LOCAL PRICE * Start-of-day FX RATE)) - 1). If a stock did not trade on a day but the index FX RATE did, then the return is still impacted by the change in FX RATE.	Numeric; Max. Length: 38; Max. Precision: 20	This column will be blank for Adjusted Close files (ADJ.SDC).
36. DAILY TOTAL RETURN	Daily stock % total return in index currency. Same as the DAILY PRICE RETURN but factoring in any dividends if current day is the dividend ex-date. Calculated as ((((End- of-day LOCAL PRICE * End-of-day FX RATE) + (DIVIDEND * End-of-day FX RATE))/ (Start-of-day LOCAL PRICE * Start- of-day FX RATE)) - 1).	Numeric; Max. Length: 38; Max. Precision: 20	This column will be blank for Adjusted Close files (ADJ.SDC).
37. DIVIDEND	Dividend as reported by the constituent with an ex-date of the current day. Field is NULL if no dividends are issued on that day. Dividend Adjustment (for Japanese and Korean companies) is also reflected in this field.*	Numeric; Max. Length: 38; Max. Precision: 14	Adjusted Close file (ADJ.SDC) will show a value only if ex- date is the next trading day, otherwise field will be blank. This column will always be blank for Proforma files (PRO.SDC).
38. NET DIVIDEND	Net dividend amount issued by the constituent with an ex-date of the current day (after subtracting taxes and franking). Tax and franking rates used are as of ex-date. Field is NULL if no dividends are issued on that day. Net Dividend Adjustment (for Japanese and Korean companies) is also reflected in this field.*	Numeric; Max. Length: 38; Max. Precision: 14	Adjusted file (ADJ.SDC) will show a value only if ex-date is the next trading day, otherwise field will be blank. This column will always be blank for Proforma files (PRO.SDC).

** Dividend and Net Dividend Adjustment amounts in SDC may be different from those in SDE. Please see p. 36 for details.*

Trailer Rows

A single trailer row will appear immediately following the data rows and can be used as an end-of-file indicator. The line count that appears includes each row in the file, excluding the trailer row itself. The trailer row consists of two columns. The first column is the trailer title itself (i.e. LINE COUNT:). The second column consists of an integer summarizing the number of data rows included in the file, excluding the trailer row itself.

Column Header	Description	Format
LINE COUNT:	The number of data rows included in the file, excluding the LINE COUNT row itself.	Integer

CONSTITUENT DETAILS PRO FORMA FILE - PRO.SDC

The PRO.SDC format mirrors the standard .SDC format.

Proforma .SDC File Delivery

Proforma .SDC files are delivered around the time of an index's rebalancing. The table below describes the production schedule for certain popular S&P Dow Jones Indices index families. Please note that the schedule in the table below is for the majority of indices in the named family. Certain indices in each family may have a differing rebalance and proforma .SDC file production schedule.

Index Family	Rebalancing Frequency	Rebalancing Dates	Proforma Production Schedule	Proforma Frequency
S&P Global BMI, DJGI & DJ TSM	Quarterly	3rd Friday of Mar, Jun, Sep, Dec	For Mar, Jun & Dec, once on the Friday before rebalance. For Sep, once weekly during the first 2 weeks before, then as necessary during the final week before reconstitution.	For Mar, Jun & Dec, the Friday before rebalance. For Sep, 2 Fridays before annual reconstitution.
S&P US & DJIA	Quarterly	3rd Friday of Mar, Jun, Sep, Dec	Friday before rebalance for Mar, Jun & Dec. 2 Fridays before rebalance for Sep.	Daily for the 5 days prior to rebalance in Mar, Jun & Dec. In Sep, once weekly during the first 2 weeks before, then daily during the rebalance week.
S&P Emerging	Quarterly	3rd Friday of Mar, Jun, Sep, Dec	For Mar, Jun & Dec, once on the Friday before rebalance. For Sep, once weekly during the first 2 weeks before, then as necessary during the final week before reconstitution.	For Mar, Jun & Dec, the Friday before rebalance. For Sep, 2 Fridays before annual reconstitution.
S&P Global 1200	Quarterly	3rd Friday of Mar, Jun, Sep, Dec	5 business days prior to rebalancing.	Daily

For a full index rebalancing and proforma .SDC file production schedule, please see the S&P Indices Equity Rebalancing Calendar at: http://us.spindices.com/resource-center/index-policies/ and click on the appropriate link.

CONSTITUENT DETAILS END OF MONTH FILE - EOM.SDC

The EOM.SDC format mirrors the standard .SDC format except for the following differences:

The return and dividend columns are prefaced with MTD.

Column Header	Description	Format	Special Handling
MTD PRICE RETURN	MTD Stock % Price Return in Index currency	Numeric 3,20	-
MTD TOTAL RETURN	MTD Stock %Total Return in Index currency	Numeric 3,20	(eom price + dividend)/som price --- (som price = closing price on last trading date of prior month adjusted for corporate actions which affect the price)
MTD DIVIDENDS	MTD Dividend in local currency	Numeric 38,14	sum of index dividends for the month
MTD NET DIVIDENDS	MTD Net Dividend in local currency	Numeric 38,14	sum of index net dividends for the month

The EOM.SDC file has 5 additional fields for valuation data items.

Column Header	Description	Format	Special Handling
PRICE-EARNINGS RATIO (P/E)	Price/earnings ratio - LTM	Numeric 38,14	Current year, when unavailable last fiscal year, when still unavailable last reported period is used.
PRICE-BOOK VALUE RATIO (P/BV)	Price/book value - current year fiscal	Numeric 38,14	Current year, when unavailable last reported period is used.
P/CF	Cash Flow - current year fiscal	Numeric 38,14	Current year, when unavailable last reported period is used.
IND/YLD	Indicated Dividend Yield	Numeric 38,14	Expected 12 month dividend yield using most recently reported dividend.
PRICE/SALES	Price to sales - current year fiscal	Numeric 38,14	Current year, when unavailable last reported period is used.

CORPORATE EVENTS FILE - .SDE

The .SDE Index Corporate Events file is an ASCII text, tab-delimited file consisting of index event, country event and stock event details (including corporate actions) impacting the index constituents and thus the index. Events in the file are as of the current file date and up to the following twenty (20) calendar days if known to S&P Dow Jones Indices.

.SDE File Data Contents

The first row of the .SDE Corporate Events file contains the following data column headers in the following order:

.SDE Column Headers		
1. INDEX NAME	31. CURRENT GV KEY	61. NEW IWF
2. INDEX CODE	32. NEW GV KEY	62. CURRENT AWF
3. INDEX KEY	33. CURRENT GICS CODE	63. NEW AWF
4. INDEX CURRENCY	34. NEW GICS CODE	64. GROWTH
5. ACTION TYPE	35. CURRENT DJI INDUSTRY CODE	65. VALUE
6. ACTION GROUP	36. NEW DJI INDUSTRY CODE	66. CURRENT INDEX SHARES
7. STATUS	37. CURRENT ALTERNATE CLASSIFICATION CODE	67. NEW INDEX SHARES
8. ANNOUNCED DATE	38. NEW ALTERNATE CLASSIFICATION CODE	68. INDEX SHARES PRIOR EVENTS
9. LAST UPDATED DATE	39. CURRENT STOCK ATTRIBUTES	69. INDEX SHARES POST EVENTS
10. CLOSE OF BUSINESS DATE	40. NEW STOCK ATTRIBUTES	70. RATIO RECEIVED
11. EFFECTIVE DATE	41. CURRENT MIC	71. RATIO HELD
12. REFERENCE DATE	42. NEW MIC	72. SUBSCRIPTION PRICE
13. ANNOUNCEMENT ID	43. CURRENT COUNTRY OF DOMICILE	73. PRICE ADJUSTMENT
14. NEW INDEX PROFILE	44. NEW COUNTRY OF DOMICILE	74. CURRENT PRICE
15. SEQUENCE NO.	45. CURRENT COUNTRY OF LISTING	75. NEW PRICE
16. STOCK KEY	46. NEW COUNTRY OF LISTING	76. DIVIDEND CURRENCY
17. CURRENT COMPANY NAME	47. CURRENT REGION	77. DIVIDEND
18. NEW COMPANY NAME	48. NEW REGION	78. NET DIVIDEND
19. CURRENT RIC	49. CURRENT SIZE	79. ISSUANCE FEE
20. NEW RIC	50. NEW SIZE	80. FRANKING RATE
21. CURRENT BLOOMBERG TICKER	51. CURRENT CAP RANGE	81. CURRENT TAX RATE
22. NEW BLOOMBERG TICKER	52. NEW CAP RANGE	82. NEW TAX RATE
23. CURRENT CUSIP	53. CURRENT SHARIAH	83. ACQUIRER NAME
24. NEW CUSIP	54. NEW SHARIAH	84. CASH AMOUNT
25. CURRENT ISIN	55. CURRENT CURRENCY CODE	85. SPIN/TARGET NAME
26. NEW ISIN	56. NEW CURRENCY CODE	86. SPIN/TARGET TICKER
27. CURRENT SEDOL	57. FX RATE	87. SPIN/TARGET STOCK KEY
28. NEW SEDOL	58. CURRENT SHARES OUTSTANDING	88. SPIN/TARGET MIC
29. CURRENT TICKER	59. NEW SHARES OUTSTANDING	89. SPIN/TARGET IS INDEX CO
30. NEW TICKER	60. CURRENT IWF	90. REPLACEMENT STOCK KEY
		91. COMMENTS

A series of data rows will appear immediately following these column headers, with one data row for each index constituent included in the file.

A more detailed explanation of each data column follows including the column description, format, content notes and any special handling applicable.

Column Header	Description	Format	Special Handling
1. INDEX NAME	Defines the index name that this stock is related to.	Alphanumeric; Max. Length: 1,000	-
2. INDEX CODE	Defines the index code that this stock is related to.	Alphanumeric; Max. Length: 1,000	-
3. INDEX KEY	Defines the index key that this stock is related to. See chapter *Index Keys* for more information.	Alphanumeric; Max. Length: 1,000	-
4. INDEX CURRENCY	The 3-character ISO currency code for the currency in which the index level data is being reported in.	Alphanumeric; Max. Length: 1,000	-
5. ACTION TYPE	Index, country or stock event action type, including index holidays and rebalancing dates. Please refer to section *SDE Action Types* within this chapter for further information.	Text; Max. Length: 1,000	-
6. ACTION GROUP	Index, country or stock event action group. Please refer to section *SDE Action Groups* within this chapter for further information.	Text; Max. Length: 1,000	-
7. STATUS	States whether the entry is finalized, estimate, pending or cancelled.	Text; Max. Length: 1,000	-
8. ANNOUNCED DATE	The date the event was first announced and appears in the file.	Date format is *yyyymmdd.*	-
9. LAST UPDATED DATE	The date when the last change of was made to this record. For adds/drops this states the last update date of all compositions of an index.	Date format is *yyyymmdd.*	-
10. CLOSE OF BUSINESS DATE	The previous business day, taking into account holidays.	Date format is *yyyymmdd.*	-
11. EFFECTIVE DATE	Indicative of when the corporate actions data is applicable. Also known as the “ex-date”.	Date format is *yyyymmdd.*	-
12. REFERENCE DATE	The date of the next index rebalance or stock replacement. If the action type is Dividend Adjustment (for Japanese and Korean equities), the REFERENCE DATE will show the original ex-date of the dividend.	Date format is *yyyymmdd.*	-
13. ANNOUNCEMENT ID	Unique corporate actions identifier.	Integer; Max. Length: 1,000	-
14. NEW INDEX PROFILE	The new index name, new index code or new index key.	Text; Max. Length: 1,000	-
15. SEQUENCE NO.	Sequence number for multiple actions on a single stock on the same date. A value of “1” indicates this action should be treated first. Sequence number applies to the following action types: Dividend, Special Dividend, Rights Offering, AWF Change - Rebalance, IWF Change - Rebalance, Price Adjustment, Share Change - Rebalance, Index Close Price, Index Open Price, AWF Change, IWF Change, Share Change, Reverse split, Stock Split, Style Change	Integer; Max. Length: 1,000	Will be shown only for stock events.

Column Header	Description	Format	Special Handling
16. STOCK KEY	Unique S&P Dow Jones Indices identifier assigned to every stock. This key will be persistent regardless of other identifier changes.	Integer; Max. Length: 1,000	-
17. CURRENT COMPANY NAME	The current name of the constituent.	Text; Max. Length: 1,000	-
18. NEW COMPANY NAME	The new name of the constituent as of the EFFECTIVE DATE.	Text; Max. Length: 1,000	Null if no name change.
19. CURRENT RIC	Constituent's current Reuters Instrument Code, provided on best effort basis. RIC must contain exactly one period (".") and the second part must be 1 to 3 characters.	Text; Max. Length: 1,000	-
20. NEW RIC	Constituent's new Reuters Instrument Code as of the EFFECTIVE DATE, provided on best effort basis. RIC must contain exactly one period (".") and the second part must be 1 to 3 characters.	Text; Max. Length: 1,000	Null if no RIC change.
21. CURRENT BLOOMBERG TICKER	Constituent's current Bloomberg Ticker, provided on best effort basis. Bloomberg ticker may contain exactly one space (" "). The first part must be 1 to 8 characters and the second part must be 1 to 2 characters.	Text; Max. Length: 1,000	-
22. NEW BLOOMBERG TICKER	Constituent's new Bloomberg Ticker as of the EFFECTIVE DATE, provided on best effort basis. Bloomberg ticker may contain exactly one space (" "). The first part must be 1 to 8 characters and the second part must be 1 to 2 characters.	Text; Max. Length: 1,000	Null if no Bloomberg Ticker change.
23. CURRENT CUSIP	Constituent's current 9-character CUSIP identifier, provided on best effort basis.	Text; Max. Length: 1,000	-
24. NEW CUSIP	Constituent's new 9-character CUSIP identifier as of the EFFECTIVE DATE, provided on best effort basis.	Text; Max. Length: 1,000	Null if no CUSIP change.
25. CURRENT ISIN	Constituent's current 12-character ISIN identifier, provided on best effort basis.	Alphanumeric; Max. Length: 1,000	-
26. NEW ISIN	Constituent's new 12-character ISIN identifier as of the EFFECTIVE DATE, provided on best effort basis.	Alphanumeric; Max. Length: 1,000	Null if no ISIN change.
27. CURRENT SEDOL	Constituent's current 7-character SEDOL, provided on best effort basis.	Alphanumeric; Max. Length: 1,000	-
28. NEW SEDOL	Constituent's new 7-character SEDOL identifier as of the EFFECTIVE DATE, provided on best effort basis.	Alphanumeric; Max. Length: 1,000	Null if no SEDOL change.
29. CURRENT TICKER	Constituent's current stock ticker, associated with the exchange the constituent is traded on. Provided on best effort basis.	Alphanumeric; Max. Length: 1,000	-
30. NEW TICKER	Constituent's new stock ticker, associated with the exchange the constituent is traded on, as of the EFFECTIVE DATE. Provided on best effort basis.	Alphanumeric; Max. Length: 1,000	Null if no ticker change.
31. CURRENT GV KEY	Constituent's current Compustat permanent company identifier, provided on best effort basis.	Alphanumeric; Max. Length: 1,000	-
32. NEW GV KEY	Constituent's new Compustat permanent company identifier as of the EFFECTIVE DATE, provided on best effort basis.	Alphanumeric; Max. Length: 1,000	Null if no GV Key change.
33. CURRENT GICS CODE	Constituent's current Global Industry Classification Standard code, comprising of 8 digits.	Integer; Max. Length: 1,000; Format will always be 2 digits times 4 levels.	-
34. NEW GICS CODE	Constituent's new Global Industry Classification Standard code, comprising of 8 digits as of the EFFECTIVE DATE.	Integer; Max. Length: 1,000; Format will always be 2 digits times 4 levels.	Null if no GICS code change.

Column Header	Description	Format	Special Handling
35. CURRENT DJI INDUSTRY CODE	Constituent's current Dow Jones Indexes' proprietary industry classification code, comprising of 17 digits.	Text; Max. Length: 1,000; Format will always start with a "D" then 4 digits times 4 levels.	-
36. NEW DJI INDUSTRY CODE	Constituent's new Dow Jones Indexes' proprietary industry classification code, comprising of 17 digits as of the EFFECTIVE DATE.	Text; Max. Length: 1,000; Format will always start with a "D" then 4 digits times 4 levels.	Null if no DJI industry code change.
37. CURRENT ALTERNATE CLASSIFICATION CODE	Constituent's current alternate classification code. This field is reserved for alternate, product-specific classification schemes associated with the constituent.	Text; Max. Length: 1,000	-
38. NEW ALTERNATE CLASSIFICATION CODE	Constituent's new alternate classification code as of the EFFECTIVE DATE. This field is reserved for alternate, product-specific classification schemes associated with the constituent.	Text; Max. Length: 1,000	Null if no alternate classification code change.
39. CURRENT STOCK ATTRIBUTES	Currently not populated. Will be used for future enhancement to changes in stock attributes.	Alphanumeric; Max. Length: 1,000	Blank when not applicable.
40. NEW STOCK ATTRIBUTES	Currently not populated. Will be used for future enhancement to changes in stock attributes.	Alphanumeric; Max. Length: 1,000	Null if no stock attribute change.
41. CURRENT MIC	Constituent's current Market Identification Code, representing the 4-character ISO code of the exchange the constituent is traded on.	Alphanumeric; Max. Length: 1,000	-
42. NEW MIC	Constituent's new Market Identification Code, representing the 4-character ISO code of the exchange the constituent is traded on, as of the EFFECTIVE DATE.	Alphanumeric; Max. Length: 1,000	Null if no MIC change.
43. CURRENT COUNTRY OF DOMICILE	2-character ISO country code that is associated with the constituent's current country of domicile.	Text; Max. Length: 1,000	Not populated for stock profile changes.
44. NEW COUNTRY OF DOMICILE	2-character ISO country code that is associated with the constituent's new country of domicile as of the EFFECTIVE DATE.	Text; Max. Length: 1,000	Not populated for stock profile changes. Null if no country of domicile change.
45. CURRENT COUNTRY OF LISTING	2-character ISO country code that is associated with the constituent's current country of exchange.	Text; Max. Length: 1,000	-
46. NEW COUNTRY OF LISTING	2-character ISO country code that is associated with the constituent's new country of exchange as of the EFFECTIVE DATE.	Text; Max. Length: 1,000	Null if no country of listing change.
47. CURRENT REGION	Constituent's current region. Available for the Global BMI family and indicates if the stock is considered part of a developed or emerging market.	Text; Max. Length: 1,000	Blank when not applicable.
48. NEW REGION	Constituent's new region as of the EFFECTIVE DATE. Available for the Global BMI family and indicates if the stock is considered part of a developed or emerging market.	Text; Max. Length: 1,000	Null if no region change.
49. CURRENT SIZE	Constituent's current size. Indicates if the stock is classified as a large, mid or small cap stock within the methodology of the index. A stock may be classified as large in one index family, and mid in another. Value is left blank for indices not providing size breakdown.	Alphanumeric; Max. Length: 1,000	Blank when not applicable.
50. NEW SIZE	Constituent's new size as of the EFFECTIVE DATE. Indicates if the stock is classified as a large, mid or small cap stock within the methodology of the index. A stock may be classified as large in one index family, and mid in another. Value is left blank for indices not providing size breakdown.	Alphanumeric; Max. Length: 1,000	Null if no size change.

Column Header	Description	Format	Special Handling
51. CURRENT CAP RANGE	Indicates constituent stock's current capitalization range. Available for index families with breakdown by a market cap bracket. For example, a stock that is classified as having a capitalization of over $25 billion will have the code RO25B.	Alphanumeric; Max. Length: 1,000	Blank when not applicable.
52. NEW CAP RANGE	Indicates constituent stock's new capitalization range as of the EFFECTIVE DATE. Available for index families with breakdown by a market cap bracket. For example, a stock that is classified as having a capitalization of over $25 billion will have the code RO25B.	Alphanumeric; Max. Length: 1,000	Null if no cap range change.
53. CURRENT SHARIAH	YES/NO flag indicating constituent's current status regarding Shariah compliance.	Text; Max. Length: 1,000	Only populated for Shariah indices.
54. NEW SHARIAH	YES/NO flag Indicating constituent's new status regarding Shariah compliance as of the EFFECTIVE DATE.	Text; Max. Length: 1,000	Only populated for Shariah indices. Null if no change in Shariah compliance.
55. CURRENT CURRENCY CODE	The current 3-character ISO currency code in which the closing price of the stock is stated.	Alphanumeric; Max. Length: 1,000	-
56. NEW CURRENCY CODE	The new 3-character ISO currency code in which the closing price of the stock is stated as of the EFFECTIVE DATE.	Alphanumeric; Max. Length: 1,000	Null if no currency code change.
57. FX RATE	Foreign exchange rate as of the EFFECTIVE DATE.	Numeric; Max. Length: 38; Max. Precision 14	-
58. CURRENT SHARES OUTSTANDING	The constituent's current number of shares outstanding.	Integer; Max. Length: 38	Addition to an index, value= 0
59. NEW SHARES OUTSTANDING	The constituent's new number of shares outstanding as of the EFFECTIVE DATE.	Integer; Max. Length: 38	Deletion from an index, value= 0
60. CURRENT IWF	The current Investible Weight Factor (IWF) of the stock. A value of 1 = 100% Free Float.	Numeric; Max. Length: 38; Max. Precision 14	Addition to an index, value=0
61. NEW IWF	The new Investible Weight Factor (IWF) of the stock as of the EFFECTIVE DATE. A value of 1 = 100% Free Float.	Numeric; Max. Length: 38; Max. Precision 14	Deletion from an index, value=0
62. CURRENT AWF	The current Additional Weight Factor (AWF) of the stock as required for certain methodologies. For methodologies not using AWF, the value will be 1.	Numeric; Max. Length: 38; Max. Precision 14	For full market cap indices, value = 1. For price weighted indices, value = 1. Addition to an index, value=0
63. NEW AWF	The new Additional Weight Factor (AWF) of the stock as required for certain methodologies, as of the EFFECTIVE DATE. For methodologies not using AWF, the value will be 1.	Numeric; Max. Length: 38; Max. Precision 14	For full market cap indices, value = 1. For price weighted indices, value = 1. Deletion from an index, value=0
64. GROWTH	The growth weight factor associated with the stock, as of the EFFECTIVE DATE. Factor will always be a figure between 0 and 1 for style indices and 0 or 1 for pure style indices.	Numeric; Max. Length: 38; Max. Precision 14	-
65. VALUE	The value weight factor associated with the stock, as of the EFFECTIVE DATE. Factor will always be a figure between 0 and 1 for style indices and 0 or 1 for pure style indices. Also equivalent to 1 - GROWTH.	Numeric; Max. Length: 38; Max. Precision 14	-

Column Header	Description	Format	Special Handling
66. CURRENT INDEX SHARES	The constituent's current index shares. Index shares represents the total number of shares determined and used by the index calculation methodology (i.e. SHARES OUSTANDING * IWF * AWF).	Numeric; Max. Length: 38; Max. Precision 14	For style indices, value = SHARES OUSTANDING * IWF * AWF * (applicable GROWTH or VALUE style factor). For price weighted indices, value = 1. Addition to an index, value=0
67. NEW INDEX SHARES	The constituent's new index shares as of the EFFECTIVE DATE. Index shares represents the total number of shares determined and used by the index calculation methodology adjusted for corporate actions (i.e. SHARES OUSTANDING * IWF * AWF).	Numeric; Max. Length: 38; Max. Precision 14	For style indices, value = SHARES OUSTANDING * IWF * AWF * (applicable GROWTH or VALUE style factor). For price weighted indices, value = 1. Deletion from an index, value=0
68. INDEX SHARES PRIOR EVENTS	The constituent's index shares as of close of business the day prior to the effective date.	Numeric; Max. Length: 38; Max. Precision 14	Addition to an index, value=0
69. INDEX SHARES POST EVENTS	The constituent's final index shares post all events with the same effective date.	Numeric; Max. Length: 38; Max. Precision 14	Deletion from an index, value=0
70. RATIO RECEIVED	For stock splits or rights offerings, this represents the ratio of the shares received. For example, in a 3-for-1 stock split, the ratio received would be 3. For a 0.1-for- 1 rights offering, the ratio received would be 0.1.	Numeric; Max. Length: 38; Max. Precision 14	-
71. RATIO HELD	For stock splits or rights offerings, this represents the ratio of the shares held. For example, in a 3-for-1 stock split, the ratio held would be 1. For a 0.1-for-1 rights offering, the ratio held would be 1.	Numeric; Max. Length: 38; Max. Precision 14	-
72. SUBSCRIPTION PRICE	Subscription price for rights offerings.	Numeric; Max. Length: 38; Max. Precision 14	-
73. PRICE ADJUSTMENT	Amount of price adjustment.	Numeric; Max. Length: 38; Max. Precision 14	-
74. CURRENT PRICE	Latest available price prior to the EFFECTIVE DATE adjusted for all corporate actions.	Numeric; Max. Length: 38; Max. Precision 14	-
75. NEW PRICE	Closing price adjusted for corporate actions as of the EFFECTIVE DATE.	Numeric; Max. Length: 38; Max. Precision 14	-
76. DIVIDEND CURRENCY	The 3-character ISO currency code for the currency the dividend is paid in.	Alphanumeric; Max. Length: 1,000	Field is NULL if there are no associated dividends.
77. DIVIDEND	Dividend amount as reported, as of the EFFECTIVE DATE. Dividend amount will be translated to stock currency if dividend currency differs from stock currency. If the action type is Dividend Adjustment (for Japanese and Korean equities), the dividend amount will be the difference between the confirmed dividend and any amount recognized on the original ex-date.	Numeric; Max. Length: 38; Max. Precision 14	Field is NULL if there are no dividends as of the EFFECTIVE DATE.

Column Header	Description	Format	Special Handling
78. NET DIVIDEND	Net dividend amount, as of the EFFECTIVE DATE (after subtracting taxes and franking). Tax and franking rates used are as of ex-date. Dividend amount will be translated to stock currency if dividend currency differs from stock currency. If the action type is Dividend Adjustment (for Japanese and Korean equities), the net dividend amount will be the after tax amount of the difference between the confirmed dividend and any amount recognized on the original ex-date	Numeric; Max. Length: 38; Max. Precision 14	Field is NULL if there are no net dividends as of the EFFECTIVE DATE.
79. ISSUANCE FEE	Dividend issuance fee.	Numeric; Max. Length: 38; Max. Precision 14	-
80. FRANKING RATE	Franking rate for Australian dividends.	Numeric; Max. Length: 38; Max. Precision 14	-
81. CURRENT TAX RATE	Current tax rate.	Numeric; Max. Length: 38; Max. Precision 14	Not populated for country of domicile changes.
82. NEW TAX RATE	New tax rate as of the EFFECTIVE DATE.	Numeric; Max. Length: 38; Max. Precision 14	Not populated for country of domicile changes. Null if no tax rate change.
83. ACQUIRER NAME	Name of the acquiring company in a merger/acquisition (M&A), as of the EFFECTIVE DATE. Provided on a best effort basis.	Text; Max. Length: 1,000	-
84. CASH AMOUNT	Cash consideration for mergers/acquisitions (M&A).	Numeric; Max. Length: 38; Max. Precision 14	-
85. SPIN/TARGET NAME	Name of the M&A target company, as of the EFFECTIVE DATE. Provided on best effort basis.	Text; Max. Length: 1,000	-
86. SPIN/TARGET TICKER	Stock ticker associated with the exchange the M&A target company is traded on, as of the EFFECTIVE DATE. Provided on best effort basis.	Alphanumeric; Max. Length: 1,000	-
87. SPIN/TARGET STOCK KEY	S&P Dow Jones Indices Stock Key of the M&A target company, as of the EFFECTIVE DATE. A stock key is a unique S&P Dow Jones Indices identifier assigned to every stock. This key will be persistent regardless of profile changes to the stock.	Integer; Max. Length: 1,000	-
88. SPIN/TARGET MIC	The Market Identification Code representing the 4-character ISO Code of the exchange the M&A target company is trading on, as of the EFFECTIVE DATE.	Alphanumeric; Max. Length: 1,000	-
89. SPIN/TARGET IS INDEX CO	YES/NO flag, used to identify if the M&A target stock is also a current index constituent.	Text; Max. Length: 1,000	-
90. REPLACEMENT STOCK KEY	When a constituent stock is dropped from an index, it is sometimes replaced by another stock constituent, depending on the index methodology. In such instances, this field represents the STOCK KEY of the replacement stock constituent.	Integer; Max. Length: 1,000	Blank when not applicable.
91. COMMENTS	Descriptive commentary associated with the event	Text; Max. Length: 1,000	-

Trailer Rows

A single trailer row will appear immediately following the data rows and can be used as an end-of-file indicator. The line count that appears includes each row in the file, excluding the trailer row itself. The trailer row consists of two columns. The first column is the trailer title itself (i.e. LINE COUNT:). The second column consists of an integer summarizing the number of data rows included in the file, excluding the trailer row itself.

Column Header	Description	Format
LINE COUNT:	The number of data rows included in the file, excluding the LINE COUNT row itself.	Integer

.SDE Action Groups

.SDE Action Types are divided into five Action Groups: Index Change, Distribution, Market Cap Neutral

Event, Profile Change & Information.

Action Types divided up into Action Groups:

Action Group	Action Type	Index Weighting		
		Market Cap	Modified	Price
Distribution	Dividend	✔	✔	✔
Distribution	Special Dividend	✔	✔	✔
Distribution	Dividend Adjustment	✔	✔	✔
Index Change	Add	✔	✔	✔
Index Change	AWF Change - Rebalance		✔	
Index Change	AWF Change		✔	
Index Change	Drop	✔	✔	✔
Index Change	IWF Change - Rebalance	✔		
Index Change	IWF Change	✔		
Index Change	Price Adjustment	✔		✔
Index Change	Reverse Split			✔
Index Change	Rights Offering	✔		✔
Index Change	Share Change - Rebalance	✔		
Index Change	Share Change	✔		
Index Change	Stock Split			✔
Index Change	Style Change	✔	✔	✔
Information	Index Close Price	✔	✔	✔
Information	Index Holiday	✔	✔	✔
Information	Index Open Price	✔	✔	✔
Information	Index Rebalancing	✔	✔	✔
Information	Merger/Acquisition	✔	✔	✔
Information	Spin-Off	✔	✔	✔
Information	Stock Exchange Holiday	✔	✔	✔
Information	Tax Rate Change	✔	✔	✔
Market Cap Neutral Event	IWF Change - Rebalance		✔	
Market Cap Neutral Event	IWF Change		✔	
Market Cap Neutral Event	Price Adjustment		✔	
Market Cap Neutral Event	Reverse Split	✔	✔	
Market Cap Neutral Event	Rights Offering		✔	
Market Cap Neutral Event	Share Change - Rebalance		✔	
Market Cap Neutral Event	Share Change		✔	
Market Cap Neutral Event	Stock Split	✔	✔	
Profile Change	Country of Domicile Changes	✔	✔	✔
Profile Change	Stock Profile Changes	✔	✔	✔
Profile Change	Sub-Industry Change	✔	✔	✔
Profile Change	Index Name Change	✔	✔	✔
Profile Change	Index Code Change	✔	✔	✔
Profile Change	Index Key Change	✔	✔	✔

.SDE Action Types

.SDE Action Types fall into three principal categories: Index Events, Country Events & Stock Events.

Index Events

Index events comprise the following:

Index Event	Description	Action Group
1. Index Holiday	A day when the Index will not be calculated. Partial holidays and weekends are not reported.	Information
2. Index Rebalancing	Date index is expected to be revised.	Information
3. Index Name Change	Change to an index name.	Profile Change
4. Index Code Change	Change to an index code.	Profile Change
5. Index Key Change	Change to an index key.	Profile Change

Country Events

Country events comprise the following:

Index Event	Description	Action Group
1. Tax Rate Change	Tax rate change for a country that is in the index.	Information
2. Stock Exchange Holiday	A day when a stock exchange associated with a constituent in the index is closed.	Information

Below is a list of all data fields in the .SDE file that will be populated by default for all index events and country events. All other .SDE file fields may be populated as applicable given the nature of the index event or country event.

.SDE Column Headers		
1. INDEX NAME	5. ACTION TYPE	9. LAST UPDATED DATE
2. INDEX CODE	6. ACTION GROUP	10. CLOSE OF BUSINESS DATE
3. INDEX KEY	7. STATUS	11. EFFECTIVE DATE
4. INDEX CURRENCY		

Please see *Appendix I* for examples of .SDE index event and country event action types.

Stock Events

Stock Events comprise the following:

Index Event	Description	Action Group
1. Add	Addition of a stock to the index.	Index Change
2. AWF Change	A change in a constituent's AWF when not a rebalance date.	Index Change
3. AWF Change - Rebalance	A change in a constituent's AWF due to a rebalance.	Index Change
4. Country of Domicile Changes	A change in a constituent's COUNTRY OF DOMICILE.	Profile Change
5. Dividend	A distribution of a portion of a company's earnings, decided by its board of directors, to a class of its shareholders. The dividend is most often quoted in terms of the dollar amount each share receives (dividends per share).	Distribution
6. Dividend Adjustment	The difference between the estimated dividend amount applied previously and the confirmed amount. This is applicable to companies in Japan and Korea as confirmed dividend amount is not available prior to ex- date.	Distribution
7. Drop	Deletion of a stock from the index.	Index Change
8. Style Change	A change in the index constituent's GROWTH and VALUE weights.	Index Change
9. IWF Change*	A change is a constituent’s investable weight factor for full market cap and modified market cap weighted indices when not a rebalance date.	Index Change or Market Cap Neutral Event
10. IWF Change – Rebalance*	A change is a constituent’s investable weight factor for full market cap and modified market cap weighted indices due to a rebalance.	Index Change or Market Cap Neutral Event
11. Merger/Acquisition	Merger/Acquisition activity impacting an index constituent.	Information
12. Price Adjustment*	An adjustment to a constituent’s CURRENT PRICE necessitating a NEW PRICE. May be due to various corporate action activities.	Index Change or Market Cap Neutral Event
13. Reverse Split*	A reverse split reduces the number of shares and increases the share price proportionately, thus having no effect on total market value.	Index Change or Market Cap Neutral Event
14. Rights Offering*	The issuance of rights to a company's existing shareholders to buy a proportional number of additional securities at a given price (usually at a discount) within a fixed period.	Index Change or Market Cap Neutral Event
15. Share Change*	An increase or decrease in the number of shares outstanding due to a new share issuance or stock repurchase by a constituent company. Only shown for full market cap and modified market cap weighted indices.	Index Change or Market Cap Neutral Event
16. Share Change – Rebalance*	An increase or decrease in the number of shares outstanding due to a rebalance. Only shown for full market cap and modified market cap weighted indices.	Index Change or Market Cap Neutral Event

Index Event	Description	Action Group
17. Special Dividend	A non-recurring cash distribution of company assets to shareholders.	Distribution
18. Spin-Off	In a spin-off, a parent company distributes shares of a subsidiary to the parent company's shareholders. The shares are usually distributed on a pro rata basis and the subsidiary becomes a separate company.	Information
19. Stock Profile Changes	Changes to a constituent's COMPANY, RIC, BLOOMBERG TICKER, CUSIP, ISIN, SEDOL, MIC, TICKER, GV KEY, COUNTRY OF LISTING, SIZE, CURRENCY, ALTERNATE CLASSIFICATION CODE, CAP RANGE, or SHARIAH.	Profile Change
20. Stock Split*	The dividing of a company's existing shares into multiple shares, thereby increasing the total number of shares outstanding. The market capitalization remains the same due to a corresponding change in the stock's price (i.e. a price decrease).	Index Change or Market Cap Neutral Event
21. Sub-Industry Change	A change in a constituent's GICS or DJI INDUSTRY CODE.	Profile Change
22. Index Close Price	Index specific Close Price that is used for calculation instead of default S&P closing price.	Information
23. Index Open Price	Index specific Open Price that is used for calculation instead of default S&P open price.	Information

** indicates this action type can be part of different action groups based on the weighting of the index*

Below is a list of all data fields in the .SDE file that will be populated by default for all stock events if applicable. All other .SDE file fields may be populated as applicable given the nature of the stock event. Please note that certain data fields such as CUSIPs, RICs, Bloomberg Tickers, etc. are populated on a best effort basis. Thus, certain fields included below may not always be populated depending on the circumstances. Please see section *.SDE File Data Contents* above for details about each data field.

.SDE Column Headers		
1. INDEX NAME	19. CURRENT RIC	43. CURRENT COUNTRY OF DOMICILE
2. INDEX CODE	21. CURRENT BLOOMBERG TICKER	45. CURRENT COUNTRY OF LISTING
3. INDEX KEY	23. CURRENT CUSIP	55. CURRENT CURRENCY CODE
4. INDEX CURRENCY	25. CURRENT ISIN	57. FX RATE
5. ACTION TYPE	27. CURRENT SEDOL	58. CURRENT SHARES OUTSTANDING
6. ACTION GROUP	29. CURRENT TICKER	60. CURRENT IWF
7. STATUS	31. CURRENT GV KEY	62. CURRENT AWF
9. LAST UPDATED DATE	33. CURRENT GICS CODE	66. CURRENT INDEX SHARES
10. CLOSE OF BUSINESS DATE	35. CURRENT DJI INDUSTRY CODE	68. INDEX SHARES PRIOR EVENTS
11. EFFECTIVE DATE	37. CURRENT ALTERNATE CLASSIFICATION CODE	69. INDEX SHARES POST EVENTS
16. STOCK KEY	41. CURRENT MIC	74. CURRENT PRICE
17. CURRENT COMPANY NAME		

Please see *Appendix I* for examples of .SDE stock event action types.

.SDE File Behavior

Below is a description of some specific behaviors of the .SDE file. These are examples are not intended to cover all behaviors of the file or all possible events.

Holiday Logic

Corporate Actions and index membership, additions and deletions, where the close of business date or the effective date falls on an index or exchange holiday, must under certain conditions be shifted in the SDE file to another day. The effective date and close of business date will be dependent on the index holiday schedule as well as the particular stocks exchange holiday.

Holiday logic (T is effective date of the transaction):

- Index is open and exchange is closed - Close of Business Date – “T-2”
- Index is closed and exchange is open - Close of Business Date – “T-2”
- Index is open and exchange is closed - Effective Date – “T”
- Index is closed and exchange is open - Effective Date – “T+1”

M&A and Spin-Off –Information only

All M&A and Spin-Off events are included for information purpose only. All applicable share and IWF changes, additions or deletions, price adjustments and AWF changes are being displayed in separate records.

Spin-Off and Price Adjustment row

As mentioned above a separate record for the price adjustment related to a spin off event is included. See Stock Event Example 11a-c

The Spin-Off record includes all information regarding the corporate action like spin-off ratio and identifier information regarding the spin-off. The Action Group for the spin-off record is “Information”.

The price adjustment record includes shares, IWF, AWF and index shares before and after the price adjustment. It also includes information regarding the price adjustment, current price and new price.

For indices treating spin-offs as market cap neutral event, the AWF is estimated until the close prior to the ex-date of the transaction. When a price adjustment based on a spin-off is first announced, an estimated AWF is calculated based on the current price of the spin-off, the current price of the parent company and the spin-off ratio. The status field will be populated “Estimate” to reflect the fact that the AWF and index shares are estimated and not finalized. AWF, price adjustment and index shares are updated on the ex-date and the status field display “Finalized”. The Action Group for the price adjustment is “Market Cap Neutral Event”.

Share change and IWF change for weighted indices

For indices treating share changes and or IWF change as market cap neutral event, the AWF changes to offset the change in outstanding shares and or the IWF. The index shares are unchanged, the action type display “Share Change” or “IWF Change” and the action group display “Market Cap Neutral Event”.

Stock identifiers for addition and deletions to or from an index.

For an addition to an index that is changing its name and/or identifiers between the close of business date and the effective date, current and new company name and identifiers are populated.

- current company name and identifiers will display data as of close of business date.
- new company name and identifiers will display data as of the effective date.

Rights offering –price updating daily, see Stock Event Example 10

Based on the terms of the rights offering the price adjustment is estimated daily. For indices treating rights offerings as market cap neutral event, the AWF is estimated until the close prior to the ex-date of the transaction. The status field is populated "Estimate" to reflect the fact that the price adjustment, the AWF and the index shares are estimated and not finalized. AWF, price adjustment and index shares are updated on the ex-date and the status field displays "Finalized". The Action Group for the price adjustment is "Market Cap Neutral Event".

Dividend Adjustment (applicable to Japanese and Korean companies)

The dividend adjustment amount in SDE may be different from that in SDC. In SDE, the dividend amount displayed is relative to all the data as of the original dividend ex-date. The "REFERENCE DATE" column will show the date of the original dividend ex-date. In SDC, the dividend amount displayed is relative to all the data as of the dividend adjustment implementation date.

If a stock is not part of an index on the original dividend ex-date or the dividend adjustment implementation date, there will be no dividend adjustment due to that stock for that particular index. Example: A stock in the Financial sector had a GICS change to the Industrial after the original ex-date but before the dividend adjustment effective date. The dividend adjustment will be applied to the composite index but will not be applied to the Financial index or the Industrial index.

.SDE File Ordering

The .SDE file shows index, country and stock events for a given index or group of indices. Certain parameters impact the ordering and display of the information contained in the files. Please note that all sorting is in ascending order unless otherwise specified below.

1. .SDE Files with Multiple Indices

The majority of .SDE files contain data for only one index. However, the .SDE files for certain index families may contain data for more than one index. For .SDE files containing data for more than one index, the order of display is first and foremost determined by the index name.

2. Index and Country Events

Index and country events are shown first, in order of effective date from t to t+20 days. Thus, nearest events are always displayed first. If multiple index and country events share the same effective date, the order of display is determined by the order of the action type.

3. Stock Events with an Effective Date

After index and country events, stock events with an effective date are displayed, in order of effective date from t to t+20 days. Thus, nearest events are always displayed first. If multiple stock events share the same effective date, the order of display is determined as follows:

1. Adds/Drops in order of stock name as of the close of business date for drops and as of the effective date for adds.

2. Events without a sequence number in order of stock name as of the effective date.

3. Events with a sequence number in order of stock name as of the effective date, then by sequence number. Dividends are sequenced last.

4. Stock Events without an Effective Date (i.e. TBD/Pending)

After stock events with an effective date, stock events without an effective date are displayed, in <u>descending</u> order from t+20 to t days. Thus, events with the latest updated date are always displayed first. If multiple stock events without an effective date share the same last updated date, the order of display is determined by the order of the latest available stock name.

Below is a table illustrating the order of events as per the description above.

.SDE File Ordering*

Priority (Primary - down, Secondary - across)

1. Index Name
    1. Index and Country Events
        1. Effective Date from t to t+ 20
            1. Alphabetical order of Action Type

    2. Stock Events with Effective Date
        1. Effective Date from t to t+ 20
            1. Adds/Drops
                1. Stock Name:
                    - Close of Business Date Stock Name for Drops
                    - Effective Date Stock Name for Adds

            2. Stock Events without Sequence No.
                1. Effective Date Stock Name

            3. Stock Events with Sequence No.
                1. Effective Date Stock Name
                2. Sequence No.

    3. Null Effective Date (TBD/Pending)
        1. Last Updated Date (latest date first - descending order)
            1. Latest Availble Stock Name

* All sorting is in ascending order unless otherwise specified.

APPENDIX I - EXAMPLE .SDE ACTIONS

The following examples of Index, Country and Stock Events show the expected fields to be populated per event type using hypothetical “dummy” index data. However, this does not guarantee that other fields may be used for these action types based on special cases. Please note that in the actual files, the data fields and their associated contents will be shown vertically from left to right and not horizontally as in the examples below. In addition, unpopulated fields have been excluded from these examples.

Index Events

Index Event examples include:

1. Index Holiday
2. Index Rebalancing

Index Event Examples			
Event Type		Example 1	Example 2
		Index Holiday	Index Rebalancing
Status		Finalized	Finalized
File Date		20120525	20120523
Action Notes:		-	-
Col #	Data Field		
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	Index Holiday	Index Rebalancing
6	ACTION GROUP	Information	Information
7	STATUS	Finalized	Finalized
9	LAST UPDATED DATE	20120525	20120523
10	CLOSE OF BUSINESS DATE	20120525	20120529
11	EFFECTIVE DATE	20120528	20120530
12	REFERENCE DATE	-	20120523

Country Events

Country Event examples include:

1. Tax Rate Change
2. Stock Exchange Holiday

Country Event Examples			
Event Type		Example 1	Example 2
		Tax Rate Change	Stock Exchange Holiday
Status		Finalized	Finalized
File Date		20120622	20120827
Action Notes:		Tax rate change for a country that is in the index.	Holiday for an exchange associated with a constituent in the index.
Col #	**Data Field**		
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP-----------------------	SP-----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	Tax Rate Change	Stock Exchange Holiday
6	ACTION GROUP	Information	Information
7	STATUS	Finalized	Finalized
9	LAST UPDATED DATE	20120622	20120622
10	CLOSE OF BUSINESS DATE	20120627	20120824
11	EFFECTIVE DATE	20120628	20120827
41	CURRENT MIC	-	XLON
43	CURRENT COUNTRY OF DOMICILE	US	-
81	CURRENT TAX RATE	0.30	-
82	NEW TAX RATE	0.20	-

Stock Events

Stock Event examples include:

1. Add / Drop
2. AWF Change / AWF Change - Rebalance
3. Stock Profile Changes / Country of Domicile Changes / Sub-Industry Change
4. Dividend / Special Dividend / Dividend Adjustment
5. Style Change
6. Share Change / IWF Change / Share Change - Rebalance / IWF Change - Rebalance
7. Merger/Acquisition
8. Price Adjustment
9. Stock Split / Reverse Split
10. Rights Offering
11. Spin-Off and Price Adjustment
12. Index Close Price / Index Open Price

Also included are additional examples of combined Stock Events:

13. Share Change & Stock Split
14. Reverse Split & Spin-Off

Stock Event Example 1: Add / Drop						
Event Type:		**Example 1a Add (replacement)**	**Example 1b Add (replacement)**	**Example 1c Add (no replacement)**	**Example 1d Drop (replacement)**	**Example 1e Drop (no replacement)**
Status:		Estimate (not yet ex- date - 1)	Finalized	Finalized	Finalized	Finalized
File Date:		20120214	20120215	20120215	20120215	20110607
Action Notes:		Estimated adjustment for CURRENT AWF & CURRENT INDEX SHARES for the add is based on latest weight of replaced stock.	Final AWF & INDEX SHARES shown since its ex-date-1.	AWF and Index Shares not populated until AWF as of ex-date is available either through calculation from weight rules or manual upload. Should not use historic AWF if stock was previously in the index.	-	-
Col #	**Data Field**					
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI	SPDI	SPDI	SPDI
3	INDEX KEY	SP----------------	SP----------------	SP-----------------	SP---------------------	SP-----------------
4	INDEX CURRENCY	USD	USD	USD	USD	USD
5	ACTION TYPE	Add	Add	Add	Drop	Drop
6	ACTION GROUP	Index Change	Index Change	Index Change	Index Change	Index Change
7	STATUS	Estimate	Finalized	Finalized	Finalized	Finalized
8	ANNOUNCED DATE	20120214	20120215	20120215	20120215	20110607
9	LAST UPDATED DATE	20120214	20120215	20120215	20120215	20110607
10	CLOSE OF BUSINESS DATE	20120215	20120215	20120215	20120215	20110607
11	EFFECTIVE DATE	20120216	20120216	20120216	20120216	20110608
15	SEQUENCE NO.	1	1	1	1	1
16	STOCK KEY	42493	42493	42493	42818	38285
17	CURRENT COMPANY NAME	Seaspan Corp	Seaspan Corp	Seaspan Corp	Shanda Interactive Entertainment	Vivo Participacoes SA
19	CURRENT RIC	SSW.N	SSW.N	SSW.N	ADS SNDA.OQ	VIV.N
21	CURRENT BLOOMBERG TICKER	SSW UN	SSW UN	SSW UN	SNDA UQ	VIV UN
23	CURRENT CUSIP	Y75638109	Y75638109	Y75638109	81941Q203	92855S200
25	CURRENT ISIN	MHY756381098	MHY756381098	MHY756381098	US81941Q2030	US92855S2005
27	CURRENT SEDOL	B0GNP30	B0GNP30	B0GNP30	B00PV12	2297974
29	CURRENT TICKER	SSW	SSW	SSW	SNDA	VIV
31	CURRENT GV KEY	16453401	16453401	16453401	26632090	22264790
33	CURRENT GICS CODE	20303010	20303010	20303010	45103030	50102010
41	CURRENT MIC	XNYS	XNYS	XNYS	XNAS	XNYS
43	CURRENT COUNTRY OF DOMICILE	US	US	US	CN	BR

Stock Event Example 1: Add / Drop (cont.)						
Event Type:		Example 1a Add (replacement)	Example 1b Add (replacement)	Example 1c Add (no replacement)	Example 1d Drop (replacement)	Example 1e Drop (no replacement)
Col #	Data Field					
45	CURRENT COUNTRY OF LISTING	US	US	US	US	US
55	CURRENT CURRENCY CODE	USD	USD	USD	USD	USD
57	FX RATE	1	1	1	1	1
58	CURRENT SHARES OUTSTANDING	0	0	0	56515000	263445000
59	NEW SHARES OUTSTANDING	69292000	69292000	69292000	0	0
60	CURRENT IWF	0	0	0	0.52	0.56
61	NEW IWF	0.71	0.71	0.71	0	0
62	CURRENT AWF	0	0	0	0.00525033600381	2.68750416730888
63	NEW AWF	0.00841251346234	0.00848950899372	0.00848950899372	0	0
66	CURRENT INDEX SHARES	0	0	0	154295.8244	396485339.8
67	NEW INDEX SHARES	413873.1168	417661.0906	417661.0906	0	0
68	INDEX SHARES PRIOR EVENTS	0	0	0	154295.8244	396485339.8
69	INDEX SHARES POST EVENTS	413873.1168	417661.0906	417661.0906	0	0
74	CURRENT PRICE	19	20	25	25	28.89
83	ACQUIRER NAME	-	-	-	-	Telecomuni-caciones de Sao Paulo SA
90	REPLACEMENT STOCK KEY	42818	42818	-	42493	-
91	COMMENTS	Shanda Interactive Entertainment ADS (SNDA.OQ) acquired by Premium Lead Co Ltd. SSW.N replacing Shanda Interactive Entertainment ADS (SNDA.OQ)	Shanda Interactive Entertainment ADS (SNDA.OQ) acquired by Premium Lead Co Ltd. SSW.N replacing Shanda Interactive Entertainment ADS (SNDA.OQ)	-	Shanda Interactive Entertainment ADS (SNDA.OQ) acquired by Premium Lead Co Ltd. SSW.N replacing Shanda Interactive Entertainment ADS (SNDA.OQ)	Acquired by Telecomunicacoe s de Sao Paulo SA

Stock Event Example 2: AWF Change / AWF Change – Rebalance			
Event Type:		**Example 2a AWF Change**	**Example 2b AWF Change - Rebalance**
Status:		Finalized	Finalized
File Date:		20111113	20111113
Action Notes:		AWF manually uploaded by Index Manager.	Rebalancing date 13-jul. Reference date is same.
Col #	**Data Field**		
1	INDEX NAME	S&P Dummy Index	S&P Dummy I
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP-----------------------	SP-----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	AWF Change	AWF Change - Rebalance
6	ACTION GROUP	Index Change	Index Change
7	STATUS	Finalized	Finalized
8	ANNOUNCED DATE	20111113	20120712
9	LAST UPDATED DATE	20111113	20120712
10	CLOSE OF BUSINESS DATE	20111113	20120712
11	EFFECTIVE DATE	20111116	20120713
12	REFERENCE DATE	-	20120713
15	SEQUENCE NO.	1	1
16	STOCK KEY	44384	42479
17	CURRENT COMPANY NAME	Cairn India Ltd	CF Industries Holdings
19	CURRENT RIC	CAIL.NS	CF.N
21	CURRENT BLOOMBERG TICKER	CAIR IS	CF UN
23	CURRENT CUSIP	-	125269100
25	CURRENT ISIN	INE910H01017	US1252691001
27	CURRENT SEDOL	B1G2NN0	B0G4K50
29	CURRENT TICKER	-	CF
31	CURRENT GV KEY	28222201W	16394601
34	CURRENT GICS CODE	10102020	15101030
41	CURRENT MIC	XNSE	XNYS
43	CURRENT COUNTRY OF DOMICILE	IN	US
45	CURRENT COUNTRY OF LISTING	IN	US
56	CURRENT CURRENCY CODE	INR	USD
57	FX RATE	0.019737491	1
58	CURRENT SHARES OUTSTANDING	1897213000	65638000
59	NEW SHARES OUTSTANDING	1897213000	65638000
60	CURRENT IWF	0.3071	1
61	NEW IWF	0.3071	1
62	CURRENT AWF	0.00042116662124	0.00305391730147
63	NEW AWF	0.00034745024619	0.00262461061585
66	CURRENT INDEX SHARES	245386.0405	200453.0238
67	NEW INDEX SHARES	202436.3658	172274.1916
68	INDEX SHARES PRIOR EVENTS	245386.0405	200453.0238
69	INDEX SHARES POST EVENTS	202436.3658	172274.1916
74	CURRENT PRICE	309.15	193.49

Stock Event Example 3: Stock Profile, Country of Domicile and Sub-Industry Changes				
Event Type:		**Example 3a Stock Profile Changes**	**Example 3b Country of Domicile Change**	**Example 3c Sub-Industry Change**
Status:		Finalized	Finalized	Finalized
File Date:		20120615	20110916	20120531
Action Notes:		Example of several identifier changes occurring for same stock on same day.	-	GICS Code or DJI Industry Change
Col #	**Data Field**			
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP----------------------	SP----------------------
4	INDEX CURRENCY	USD	USD	USD
5	ACTION TYPE	Stock Profile Changes	Country of Domicile Change	Sub-Industry Change
6	ACTION GROUP	Profile Change	Profile Change	Profile Change
7	STATUS	Finalized	Finalized	Finalized
8	ANNOUNCED DATE	20120613	20110829	20120525
9	LAST UPDATED DATE	20120613	20110829	20120525
10	CLOSE OF BUSINESS DATE	20120615	20110916	20120531
11	EFFECTIVE DATE	20120618	20110919	20120601
15	SEQUENCE NO.	1	1	1
16	STOCK KEY	3444	277263	5205
17	CURRENT COMPANY NAME	Hugo Boss AG	Yandex NV	Xcel Energy Inc.
19	CURRENT RIC	BOSG.DE	YNDX.OQ	XEL.N
20	NEW RIC	BOSSn.DE	-	-
21	CURRENT BLOOMBERG TICKER	BOS GY	YNDX UQ	XEL UN
22	NEW BLOOMBERG TICKER	BOSS GY	-	-
23	CURRENT CUSIP	-	N97284108	98389B100
24	CURRENT ISIN	DE0005245500	NL0009805522	US98389B1008
25	NEW ISIN	DE000A1PHFF7	-	-
26	CURRENT SEDOL	5726680	B5BSZB3	2614807
27	NEW SEDOL	B88MHC4	-	-
28	CURRENT TICKER	BOS	YNDX	XEL
29	NEW TICKER	BOSS	-	-
30	CURRENT GV KEY	10225002W	18711801	-
33	CURRENT GICS CODE	25203010	45101010	55103010
34	NEW GICS CODE	-	-	55101010
41	CURRENT MIC	XETR	XNAS	XNYS
43	CURRENT COUNTRY OF DOMICILE	-	US	US
44	NEW COUNTRY OF DOMICILE	-	RU	-
45	CURRENT COUNTRY OF LISTING	DE	US	US
55	CURRENT CURRENCY CODE	EUR	USD	USD
57	FX RATE	1.2625	1	1
58	CURRENT SHARES OUTSTANDING	70400000	322991000	105000000
60	CURRENT IWF	0.3444	1	1
62	CURRENT AWF	0.01202836847863	0.40420613069244	1
66	CURRENT INDEX SHARES	291636.9353	130554942.4	105000000
68	INDEX SHARES PRIOR EVENTS	291636.9353	130554942.4	105000000
69	INDEX SHARES POST EVENTS	291636.9353	130554942.4	105000000
74	CURRENT PRICE	31	30.01	10.50

Stock Event Example 4: Dividend / Special Dividend / Dividend Adjustment					
Event Type:		**Example 4a Dividend**	**Example 4b Dividend w/ Franking Rate**	**Example 4c Dividend w/ Franking Rate**	**Example 4d Dividend (TBD)**
Status:		Finalized	Finalized	Finalized	TBD
File Date:		20120612	20120607	20120612	20120521
Action Notes:		-	Scenario #1 - 100% Franked	Scenario #2 - 0% Franked	TBD ex-date
Col #	**Data Field**				
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP---------------------	SP----------------------	SP---------------------
4	INDEX CURRENCY	USD (WM)	AUD	AUD	USD
5	ACTION TYPE	Dividend	Dividend	Dividend	Dividend
6	ACTION GROUP	Distribution	Distribution	Distribution	Distribution
7	STATUS	Finalized	Finalized	Finalized	Pending
8	ANNOUNCED DATE	20120521	20120523	20120524	20120521
9	LAST UPDATED DATE	20120521	20120523	20120524	20120521
10	CLOSE OF BUSINESS DATE	20120612	20120607	20120612	TBD
11	EFFECTIVE DATE	20120613	20120608	20120613	TBD
15	SEQUENCE NO.	1	1	1	1
16	STOCK KEY	5128	44234	213095	51573
17	CURRENT COMPANY NAME	Altria Group Inc.	Thorn Group Ltd	Kingsrose Mining Limited	MMC Norilsk Nickel OJSC ADR
19	CURRENT RIC	MO.N	TGA.AX	KRM.AX	NKELyq.L
21	CURRENT BLOOMBERG TICKER	MO UN	TGA AU	KRM AU	MNOD LI
23	CURRENT CUSIP	02209S103-	-	-	46626D108
25	CURRENT ISIN	US02209S1033	AU000000TGA0	AU000000KRM1	US46626D1081
27	CURRENT SEDOL	2692632	6144690	B297WM1	B114RK6
29	CURRENT TICKER	MO	TGA	KRM	MNOD
31	CURRENT GV KEY	854301	28181101W	28762401W	-
33	CURRENT GICS CODE	30203010	25504020	15104030	15104020
41	CURRENT MIC	XNYS	XASX	XASX	XLON-IOE
43	CURRENT COUNTRY OF DOMICILE	US	AU	AU	RU
45	CURRENT COUNTRY OF LISTING	US	AU	AU	GB
55	CURRENT CURRENCY CODE	USD	AUD	AUD	USD
57	FX RATE	1	1	1	1
58	CURRENT SHARES OUTSTANDING	2045667000	145622000	269499000	833262304.7
60	CURRENT IWF	1	1	0.6867	0.41
62	CURRENT AWF	1.06378414667520	-	-	1.06613418964064
66	CURRENT INDEX SHARES	2176148124	145622000	185064963.3	833262304.7
68	INDEX SHARES PRIOR EVENTS	2176148124	145622000	185064963.3	833262304.7
69	INDEX SHARES POST EVENTS	2176148124	145622000	185064963.3	833262304.7
74	CURRENT PRICE	33.27	1.54	1.31	16.08
76	DIVIDEND CURRENCY	USD	AUD	AUD	-
77	DIVIDEND	0.41	0.055	0.04	0.3
78	NET DIVIDEND	0.287	0.055	0.028	0.255
80	FRANKING RATE	-	1	0	-
81	CURRENT TAX RATE	0.3	0.3	0.3	0.15
91	COMMENTS	-	USD 0.55 @ WM Rate of 0.935409943407698, Franked - 100%	-	-

Stock Event Example 4: Dividend / Special Dividend / Dividend Adjustment (cont.)				
Event Type:		**Example 4e Special Dividend**	**Example 4f Special Dividend**	**Example 4g Special Dividend**
Status:		Pending - estimate (ex-date - 2)	Finalized	Cancelled
File Date:		20120605	20120606	20120606
Action Notes:		-	-	No Adjustment made due to Cancelled Special Dividend.
Col #	**Data Field**			
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI	SPDI
3	INDEX KEY	SP-----------------------	SP-----------------------	SP-----------------------
4	INDEX CURRENCY	USD	USD	USD
5	ACTION TYPE	Special Dividend	Special Dividend	Special Dividend
6	ACTION GROUP	Distribution	Distribution	Distribution
7	STATUS	Pending	Finalized	Cancelled
8	ANNOUNCED DATE	20120604	20120604	20120604
9	LAST UPDATED DATE	20120604	20120604	20120604
10	CLOSE OF BUSINESS DATE	20120606	20120606	20120606
11	EFFECTIVE DATE	20120607	20120607	20120607
15	SEQUENCE NO.	1	1	1
16	STOCK KEY	38239	38239	38239
17	CURRENT COMPANY NAME	Cia Bebidas das Americas - Ambev Prf ADR	Cia Bebidas das Americas - Ambev Prf ADR	Cia Bebidas das Americas - Ambev Prf ADR
19	CURRENT RIC	ABV.N	ABV.N	ABV.N
21	CURRENT BLOOMBERG TICKER	ABV UN	ABV UN	ABV UN
23	CURRENT CUSIP	20441W203	20441W203	20441W203
25	CURRENT ISIN	US20441W2035	US20441W2035	US20441W2035
27	CURRENT SEDOL	2634797	2634797	2634797
29	CURRENT TICKER	ABV	ABV	ABV
31	CURRENT GV KEY	20114091	20114091	20114091
33	CURRENT GICS CODE	30201010	30201010	30201010
42	CURRENT MIC	XNYS	XNYS	XNYS
44	CURRENT COUNTRY OF DOMICILE	BR	BR	BR
46	CURRENT COUNTRY OF LISTING	US	US	US
55	CURRENT CURRENCY CODE	USD	USD	USD
57	FX RATE	1	1	1
58	CURRENT SHARES OUTSTANDING	1366662000	1366662000	1366662000
60	CURRENT IWF	0.55	0.55	0.55
62	CURRENT AWF	0.44041583188503	0.44041583188503	0.44041583188503
66	CURRENT INDEX SHARES	331044769.9	331044769.9	331044769.9
68	INDEX SHARES PRIOR EVENTS	331044769.9	331044769.9	331044769.9
69	INDEX SHARES POST EVENTS	331044769.9	331044769.9	331044769.9
74	CURRENT PRICE	35.95	37.28	37.28
75	NEW PRICE	35.936413	37.266413	-
77	DIVIDEND	0.013587	0.013587	0.013587

Stock Event Example 4: Dividend / Special Dividend / Dividend Adjustment (cont.)			
Event Type:		**Example 4h Part 1 Dividend**	**Example 4h Part 2 Dividend Adjustment**
Status:		Finalized	Finalized
File Date:		20150928	20151106
Action Notes:		An estimated dividend of 10 JPY	The confirmed dividend amount announced by the company is 15 JPY. The dividend adjustment is 5.
Col #	**Data Field**		
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	Dividend	Dividend Adjustment
6	ACTION GROUP	Distribution	Distribution
7	STATUS	Finalized	Finalized
8	ANNOUNCED DATE	20150910	20151106
9	LAST UPDATED DATE	20150910	20151106
10	CLOSE OF BUSINESS DATE	20150925	20151105
11	EFFECTIVE DATE	20150928	20151106
12	REFERRENCE DATE	-	20150928
15	SEQUENCE NO.	1	1
16	STOCK KEY	1360	1360
17	CURRENT COMPANY NAME	Suzuki Motor Corp	Suzuki Motor Corp
19	CURRENT RIC	7269.T	7269.T
21	CURRENT BLOOMBERG TICKER	7269 JT	7269 JT
25	CURRENT ISIN	JP3397200001	JP3397200001
27	CURRENT SEDOL	6865504	6865504
29	CURRENT TICKER	7269	7269
31	CURRENT GV KEY	10115501W	10115501W
33	CURRENT GICS CODE	25102010	25102010
42	CURRENT MIC	XTKS	XTKS
44	CURRENT COUNTRY OF DOMICILE	JP	JP
46	CURRENT COUNTRY OF LISTING	JP	JP
55	CURRENT CURRENCY CODE	JPY	JPY
57	FX RATE	0.008340979	0.008340979
58	CURRENT SHARES OUTSTANDING	561047000	561047000
60	CURRENT IWF	0.8	0.8
62	CURRENT AWF	1	1
66	CURRENT INDEX SHARES	448837600	448837600
68	INDEX SHARES PRIOR EVENTS	448837600	448837600
69	INDEX SHARES POST EVENTS	448837600	448837600
74	CURRENT PRICE	3774	3971
76	DIVIDEND CURRENCY	JPY	JPY
77	DIVIDEND	10	5
78	NET DIVIDEND	7.958	3.979
81	CURRENT TAX RATE	0.2042	0.2042
91	COMMENTS	Cash Dividend	Dividend adjustment applied for Suzuki Motor Corp on 09/28/2015

Stock Event Example 5: Style Change		
Event Type:		**Style**
Status:		Finalized
File Date:		20110916
Action Notes:		Growth & Value score changes
Col #	**Data Field**	
1	INDEX NAME	S&P Dummy Index
2	INDEX CODE	SPDI
3	INDEX KEY	SP-----------------------
4	INDEX CURRENCY	USD
5	ACTION TYPE	Style Change
6	ACTION GROUP	Index Change
7	STATUS	Finalized
8	ANNOUNCED DATE	20110916
9	LAST UPDATED DATE	20110916
10	CLOSE OF BUSINESS DATE	20110916
11	EFFECTIVE DATE	20110919
15	SEQUENCE NO.	1
16	STOCK KEY	42503
17	CURRENT COMPANY NAME	ACCO Brands Corp
19	CURRENT RIC	ABD.N
21	CURRENT BLOOMBERG TICKER	ABD UN
23	CURRENT CUSIP	00081T108
25	CURRENT ISIN	US00081T1088
27	CURRENT SEDOL	B0G7SZ5
29	CURRENT TICKER	ABD
31	CURRENT GV KEY	16450602
33	CURRENT GICS CODE	20201060
41	CURRENT MIC	XNYS
43	CURRENT COUNTRY OF DOMICILE	US
45	CURRENT COUNTRY OF LISTING	US
55	CURRENT CURRENCY CODE	USD
57	FX RATE	1
58	CURRENT SHARES OUTSTANDING	55152000
560	CURRENT IWF	1
62	CURRENT AWF	1.00000000000000
64	GROWTH	0
65	VALUE	1
66	CURRENT INDEX SHARES	55152000
68	INDEX SHARES PRIOR EVENTS	55152000
69	INDEX SHARES POST EVENTS	55152000
74	CURRENT PRICE	5.95

Stock Event 6: Share Change / IWF Change / Share Change - Rebalance / IWF Change - Rebalance			
Event Type:		**Example 6a Share Change**	**Example 6b IWF Change**
Status:		Finalized	Finalized
File Date:		20120705	20120606
Action Notes:		-	-
Col #	**Data Field**		
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP-----------------------	SP-----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	Share Change	IWF Change
6	ACTION GROUP	Index Change	Index Change
7	STATUS	Finalized	Finalized
8	ANNOUNCED DATE	20120705	20120606
9	LAST UPDATED DATE	20120705	20120606
10	CLOSE OF BUSINESS DATE	20120711	20120606
11	EFFECTIVE DATE	20120712	20120607
15	SEQUENCE NO.	1	1
16	STOCK KEY	225640	271058
17	CURRENT COMPANY NAME	GenMark Diagnostics Inc.	Kinder Morgan Inc.
19	CURRENT RIC	GNMK.OQ	KMI.N
21	CURRENT BLOOMBERG TICKER	GNMK UQ	KMI UN
23	CURRENT CUSIP	372309104	49456B101
25	CURRENT ISIN	US3723091043	US49456B1017
27	CURRENT SEDOL	B3M23R2	B3NQ4P8
29	CURRENT TICKER	GNMK	KMI
33	CURRENT GICS CODE	35101010	10102040
42	CURRENT MIC	XNAS	XNYS
43	CURRENT COUNTRY OF DOMICILE	US	US
45	CURRENT COUNTRY OF LISTING	US	US
55	CURRENT CURRENCY CODE	USD	USD
58	CURRENT SHARES OUTSTANDING	21134000	1030596000
59	NEW SHARES OUTSTANDING	31137000	1030596000
60	CURRENT IWF	0.83	0.43
61	NEW IWF	0.83	0.49
62	CURRENT AWF	1.00000000000000	1.00000000000000
63	NEW AWF	1.00000000000000	1.00000000000000
66	CURRENT INDEX SHARES	17541220	443156280
67	NEW INDEX SHARES	25843710	504992040
68	INDEX SHARES PRIOR EVENTS	17541220	443156280
69	INDEX SHARES POST EVENTS	25843710	504992040
74	CURRENT PRICE	4.66	31.9
91	COMMENTS	Equity Offering	-

Stock Event 6: Share Change / IWF Change / Share Change - Rebalance / IWF Change - Rebalance (cont.)			
Event Type:		**Example 6c Share Change - Rebalance**	**Example 6d IWF Change - Rebalance**
Status:		Finalized	Finalized
File Date:		20120827	20120827
Action Notes:		-	-
Col #	**Data Field**		
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP-----------------------	SP-----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	Share Change - Rebalance	IWF Change - Rebalance
6	ACTION GROUP	Index Change	Index Change
7	STATUS	Finalized	Finalized
8	ANNOUNCED DATE	20120828	20120810
9	LAST UPDATED DATE	20120828	20120810
10	CLOSE OF BUSINESS DATE	20120921	20120921
11	EFFECTIVE DATE	20120924	20120924
15	SEQUENCE NO.	1	1
16	STOCK KEY	10005	10037
17	CURRENT COMPANY NAME	Dentsply Intl	Farmer Brothers Co
19	CURRENT RIC	XRAY.OQ	FARM.OQ
21	CURRENT BLOOMBERG TICKER	XRAY UQ	FARM UQ
24	CURRENT CUSIP	249030107	307675108
25	CURRENT ISIN	US2490301072	US3076751086
27	CURRENT SEDOL	2364339	2331786
29	CURRENT TICKER	XRAY	FARM
33	CURRENT GICS CODE	35101020	30202030
41	CURRENT MIC	XNAS	XNAS
43	CURRENT COUNTRY OF DOMICILE	US	US
46	CURRENT COUNTRY OF LISTING	US	US
55	CURRENT CURRENCY CODE	USD	USD
58	CURRENT SHARES OUTSTANDING	141749000	16281000
59	NEW SHARES OUTSTANDING	141785000	16281000
60	CURRENT IWF	1	0.56
61	NEW IWF	1	0.43
62	CURRENT AWF	1.00000000000000	1.00000000000000
63	NEW AWF	1.00000000000000	1.00000000000000
66	CURRENT INDEX SHARES	141749000	9117360
67	NEW INDEX SHARES	141785000	7000830
68	INDEX SHARES PRIOR EVENTS	141749000	9117360
69	INDEX SHARES POST EVENTS	141785000	7000830
74	CURRENT PRICE	36.59	9.49
91	COMMENTS	Quarterly Rebalance	Annual IWF review

Stock Event Example 7: Merger/Acquisition			
Event Type:		**Example 7a Merger/Acquisition**	**Example 7b Share Update**
Status:		Finalized	Finalized
File Date:		20100618	20100618
Action Notes:		-	Share issuance related to the all shares take-over (7a)
Col #	**Data Field**		
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	Merger/Acquisition	Share Change
6	ACTION GROUP	Information	Index Change
7	STATUS	Finalized	Finalized
8	ANNOUNCED DATE	20100607	20100607
9	LAST UPDATED DATE	20100607	20100607
10	CLOSE OF BUSINESS DATE	20100618	20100618
11	EFFECTIVE DATE	20100621	20100621
15	SEQUENCE NO.	1	-
16	STOCK KEY	6123	6123
17	CURRENT COMPANY NAME	Banco do Brasil	Banco do Brasil
19	CURRENT RIC	BBAS3.SA	BBAS3.SA
21	CURRENT BLOOMBERG TICKER	BBAS3 BS	BBAS3 BS
23	CURRENT CUSIP	BBASACNOR	BBASACNOR
25	CURRENT ISIN	BRBBASACNOR3	BRBBASACNOR3
27	CURRENT SEDOL	2328595	2328595
29	CURRENT TICKER	BBAS3	BBAS3
31	CURRENT GV KEY	03058101W	03058101W
34	CURRENT GICS CODE	40101010	40101010
41	CURRENT MIC	BVMF	BVMF
45	CURRENT COUNTRY OF DOMICILE	BR	BR
46	CURRENT COUNTRY OF LISTING	BR	BR
55	CURRENT CURRENCY CODE	BRL	BRL
57	FX RATE	0.412924538	0.412924538
58	CURRENT SHARES OUTSTANDING	2569870000	2569870000
59	NEW SHARES OUTSTANDING	3069870000	-
60	CURRENT IWF	0.2175	0.2175
61	NEW IWF	0.2175	-
62	CURRENT AWF	1	1
63	NEW AWF	1	-
66	CURRENT INDEX SHARES	558946725	558946725
67	NEW INDEX SHARES	667696725	-
68	INDEX SHARES PRIOR EVENTS	558946725	558946725

Stock Event Example 7: Merger/Acquisition (cont.)			
Event Type:		**Example 7a Merger/Acquisition**	**Example 7b Share Update**
Col #	**Data Field**		-
69	INDEX SHARES POST EVENTS	667696725	667696725
70	RATIO RECEIVED	1.5	-
74	CURRENT PRICE	25	25
83	ACQUIRER NAME	Banco do Brasil	-
84	CASH AMOUNT	-	-
85	SPIN/TARGET NAME	Banco Nossa Caixa	-
86	SPIN/TARGET TICKER	BNCA3	-
87	SPIN/TARGET STOCK KEY	201589	-
88	SPIN/TARGET MIC	BVMF	-
89	SPIN/TARGET IS INDEX CO	NO	-
91	COMMENTS	Acquisition of Banco Nossa Caixa, Banco do Brasil will issue500 million shares as part of the all share transaction.	-

Stock Event Example 8: Price Adjustment					
Event Type:		**Example 8a Price Adjustment (FMC)**	**Example 8b Price (Weighted)**	**Example 8c Price Adjustment (Weighted)**	**Example 8d Price Adjustment (Weighted)**
Status:		Finalized	Pending -(ex-date - 4)	Pending - estimate (ex-date - 3)	Finalized
File Date:		20120430	20120425	20120426	20120430
Action Notes:		FMC	-	-	-
Col #	**Data Field**				
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI	SPDI	SPDI
3	INDEX KEY	SP-----------------------	SP-----------------------	SP-----------------------	SP-----------------------
4	INDEX CURRENCY	USD	USD	USD	USD
5	ACTION TYPE	Price Adjustment	Price Adjustment	Price Adjustment	Price Adjustment
6	ACTION GROUP	Index Change	Market Cap Neutral	Market Cap Neutral	Market Cap Neutral
-	-	-	Event	Event	Event
7	STATUS	Finalized	Estimate	Estimate	Finalized
8	ANNOUNCED DATE	20120430	20120425	20120426	20120430
9	LAST UPDATED DATE	20120430	20120425	20120426	20120430
10	CLOSE OF BUSINESS DATE	20120430	20120430	20120430	20120430
11	EFFECTIVE DATE	20120501	20120501	20120501	20120501
15	SEQUENCE NO.	1	1	1	1
16	STOCK KEY	4685	4685	4685	4685
17	CURRENT COMPANY NAME	MeadWestvaco Corp	MeadWestvaco Corp	MeadWestvaco Corp	MeadWestvaco Corp
19	CURRENT RIC	MWV.N	MWV.N	MWV.N	MWV.N
21	CURRENT BLOOMBERG TICKER	MWV UN	MWV UN	MWV UN	MWV UN
23	CURRENT CUSIP	583334107	583334107	583334107	583334107

Stock Event Example 8: Price Adjustment (cont.)					
Event Type:		**Example 8a Price Adjustment (FMC)**	**Example 8b Price (Weighted)**	**Example 8c Price Adjustment (Weighted)**	**Example 8d Price Adjustment (Weighted)**
Col #	**Data Field**				
25	CURRENT ISIN	US5833341077	US5833341077	US5833341077	US5833341077
27	CURRENT SEDOL	2840044	2840044	2840044	2840044
29	CURRENT TICKER	MWV	MWV	MWV	MWV
33	CURRENT GICS CODE	15105020	15105020	15105020	15105020
42	CURRENT MIC	XNYS	XNYS	XNYS	XNYS
44	CURRENT COUNTRY OF DOMICILE	US	US	US	US
46	CURRENT COUNTRY OF LISTING	US	US	US	US
55	CURRENT CURRENCY CODE	USD	USD	USD	USD
58	CURRENT SHARES OUTSTANDING	170959000	170959000	170959000	170959000
59	NEW SHARES OUTSTANDING	170959000	170959000	170959000	170959000
60	CURRENT IWF	1	1	1	1
61	NEW IWF	1	1	1	1
62	CURRENT AWF	1.00000000000000	0.85133236452338	0.85133236452338	0.85133236452338
63	NEW AWF	1	0.95362270881431	0.95553863654954	0.95531814405207
66	CURRENT INDEX SHARES	170959000	145542929.7	145542929.7	145542929.7
67	NEW INDEX SHARES	170959000	163030384.7	163357929.8	163320234.6
68	INDEX SHARES PRIOR EVENTS	170959000	145542929.7	145542929.7	145542929.7
69	INDEX SHARES POST EVENTS	170959000	163030384.7	163357929.8	163320234.6
73	PRICE ADJUSTMENT	3.463587	3.463587	3.463587	3.463587
74	CURRENT PRICE	31.82	32.29	31.76	31.82
75	NEW PRICE	28.356413	28.826413	28.296413	28.356413
91	COMMENTS	Final spin off of Office Products assets to ACCO.	-	-	-

Stock Event Example 9: Stock Split / Reverse Split						
Event Type:		**Example 9a Stock Split**	**Example 9b Stock Split**	**Example 9c Stock Split**	**Example 9d Stock Split**	**Example 9e Reverse Split**
Status:		Finalized	Pending Ex-Date	Pending Terms w/ known ex	Cancelled	Finalized
File Date:		20120312	20120312	20120312	20120312	20111222
Action Notes:		-	TBD, base it off latest available shares/IWF (so if TBD has no ex-date yet, make it effective after all other events with ex-dates.	Known ex-date, terms not known. No adjustment to be shown	Cancelled still shows in file, but now no adjustment is shown.	-
Col #	**Data Field**					
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI	SPDI	SPDI	SPDI
3	INDEX KEY	SP--------------------	SP--------------------	SP--------------------	SP--------------------	SP----------------------
4	INDEX CURRENCY	USD (WM)	USD (WM)	USD (WM)	USD (WM)	USD (WM)
5	ACTION TYPE	Stock Split	Stock Split	Stock Split	Stock Split	Reverse Split
6	ACTION GROUP	Market Cap Neutral	Market Cap Neutral	Market Cap Neutral	Market Cap Neutral	Market Cap Neutral
7	STATUS	Event Finalized	Event Pending	Event Pending	Event Cancelled	Event Finalized
8	ANNOUNCED DATE	20120312	20120312	20120311	20120312	20111222
9	LAST UPDATED DATE	20120312	20120312	20120311	20120312	20111222
10	CLOSE OF BUSINESS DATE	20120312	TBD	20120315	20120312	20111226
11	EFFECTIVE DATE	20120313	TBD	20120316	20120313	20111227
15	SEQUENCE NO.	1	1	1	1	1
16	STOCK KEY	2582	2582	2582	2582	701
17	CURRENT COMPANY NAME	Banco Popular Espanol SA	Banco Popular Espanol SA	Banco Popular Espanol SA	Banco Popular Espanol SA	Unicredit SpA Ord
18	CURRENT RIC	POP.MC	POP.MC	POP.MC	POP.MC	CRDI.MI
21	CURRENT BLOOMBERG TICKER	POP SM	POP SM	POP SM	POP SM	UCG IM
23	CURRENT CUSIP	011379053	011379053	011379053	011379053	000478141
25	CURRENT ISIN	ES0113790531	ES0113790531	ES0113790531	ES0113790531	IT0004781412
27	CURRENT SEDOL	B0BV6K3	B0BV6K3	B0BV6K3	B0BV6K3	B5M1SM3
29	CURRENT TICKER	POP	POP	POP	POP	UCG
31	CURRENT GV KEY	01552201W	01552201W	01552201W	01552201W	01554901W
33	CURRENT GICS CODE	40101010	40101010	40101010	40101010	40101010
41	CURRENT MIC	XMCE	XMCE	XMCE	XMCE	MTAA
43	CURRENT COUNTRY OF DOMICILE	ES	ES	ES	ES	IT
45	CURRENT COUNTRY OF LISTING	ES	ES	ES	ES	IT
55	CURRENT CURRENCY CODE	EUR	EUR	EUR	EUR	EUR
57	FX RATE	1.314	1.314	1.314	1.314	1.3039

Stock Event Example 9: Stock Split / Reverse Split (cont.)						
Event Type:		**Example 9a Stock Split**	**Example 9b Stock Split**	**Example 9c Stock Split**	**Example 9d Stock Split**	**Example 9e Reverse Split**
Col #	**Data Field**					
58	CURRENT SHARES OUTSTANDING	1704375344	1704375344	1704375344	1704375344	19272390000
59	NEW SHARES	1726510089	1726510089	-	-	1927239000
60	OUTSTANDING CURRENT IWF	0.65693	0.65693	0.65693	0.65693	1
61	NEW IWF	0.65693	0.65693			1
62	CURRENT AWF	0.00475174157446	0.00475174157446	0.00475174157446	0.00475174157446	0.00085787317265
63	NEW AWF	0.00475174157446	0.00475174157446	-	-	0.00085787317265
66	CURRENT INDEX SHARES	5320312.613	5320312.613	5320312.613	5320312.613	16533266.35
67	NEW INDEX SHARES	5389407.583	5389407.583	-	-	1653326.635
68	INDEX SHARES PRIOR EVENTS	5320312.613	5320312.613	5320312.613	5320312.613	16533266.35
69	INDEX SHARES POST EVENT	5389407.583	5389407.583	5320312.613	5320312.613	1653326.635
70	RATIO RECEIVED	1.012987013	1.012987013	-	1.012987013	1
71	RATIO HELD	1	1	-	1	10
74	CURRENT PRICE	2.981	2.981	2.981	2.981	0.6905
75	NEW PRICE	2.942782051	2.942782051	-	-	6.905
91	COMMENTS	-	Date TBD	Date TBD	-	-

Stock Event Example 10: Rights Offering						
Event Type:		**Example 10a Rights Offering**	**Example 10b Rights Offering**	**Example 10c Rights Offering**	**Example 10d Rights Offering**	**Example 10e Rights Offering**
Status:		Pending - estimate(ex-date - 3)	Pending - estimate(ex-date - 2)	Pending - estimate(ex-date - 2)	Finalized	Cancelled
File Date:		20120425	20120426	20120426	20120427	20120427
Action Notes:		Currently in the money, estimated adjustment for NEW AWF, INDEX SHARES, and PRICE made.	Currently in the money, estimated adjustment for NEW AWF, INDEX SHARES, and PRICE made.	Currently out of the money, no estimated adjustment made.	In the money on ex-date - 1. Price adjustment & share change made.	Out of the money on ex-date - 1. No adjustments made.
Col #	**Data Field**					
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI	SPDI	SPDI	SPDI
3	INDEX KEY	SP------------------	SP-------------------	SP--------------------	SP----------------------	SP------------------
4	INDEX CURRENCY	USD (WM)	USD (WM)	USD (WM)	USD (WM)	USD (WM)
5	ACTION TYPE	Rights Offering	Rights Offering	Rights Offering	Rights Offering	Rights Offering
6	ACTION GROUP	Index Change	Index Change	Index Change	Index Change	Index Change
7	STATUS	Estimate	Estimate	Estimate	Finalized	Cancelled
8	ANNOUNCED DATE	20120426	20120426	20120426	20120427	20120427
9	LAST UPDATED DATE	20120426	20120426	20120426	20120427	20120427
10	CLOSE OF BUSINESS DATE	20120427	20120427	20120427	20120427	20120427
11	EFFECTIVE DATE	20120430	20120430	20120430	20120430	20120430
15	SEQUENCE NO.	1	1	1	1	1

Stock Event Example 10: Rights Offering (cont.)						
Event Type:		**Example 10a Rights Offering**	**Example 10b Rights Offering**	**Example 10c Rights Offering**	**Example 10d Rights Offering**	**Example 10e Rights Offering**
Col #	**Data Field**					
16	STOCK KEY	17904	17904	17904	17904	17904
17	CURRENT COMPANY NAME	Cia Brasileira de Distribuicao Prf	Cia Brasileira de Distribuicao Prf	Cia Brasileira de Distribuicao Prf	Cia Brasileira de Distribuicao Prf	Cia Brasileira de Distribuicao Prf
19	CURRENT RIC	PCAR4.SA	PCAR4.SA	PCAR4.SA	PCAR4.SA	PCAR4.SA
21	CURRENT BLOOMBERG TICKER	PCAR4 BS	PCAR4 BS	PCAR4 BS	PCAR4 BS	PCAR4 BS
23	CURRENT CUSIP	PCARACNPR	PCARACNPR	PCARACNPR	PCARACNPR	PCARACNPR
25	CURRENT ISIN	BRPCARACNPR 0	BRPCARACNPR0	BRPCARACNPR0	BRPCARACNPR0	BRPCARACNPR0
27	CURRENT SEDOL	B5VGS74	B5VGS74	B5VGS74	B5VGS74	B5VGS74
29	CURRENT TICKER	CBDP	CBDP	CBDP	CBDP	CBDP
31	CURRENT GV KEY	06390401W	06390401W	06390401W	06390401W	06390401W
33	CURRENT GICS CODE	30101040	30101040	30101040	30101040	30101040
41	CURRENT MIC	BVMF	BVMF	BVMF	BVMF	BVMF
43	CURRENT COUNTRY OF DOMICILE	BR	BR	BR	BR	BR
45	CURRENT COUNTRY OF LISTING	BR	BR	BR	BR	BR
55	CURRENT CURRENCY CODE	BRL	BRL	BRL	BRL	BRL
57	FX RATE	1.88465	1.88465	1.88465	1.88465	1.88465
58	CURRENT SHARES OUTSTAND ING	260239000	260239000	260239000	260239000	260239000
59	NEW SHARES OUTSTANDING	262116728.5	262116728.5	260239000	262116728.5	-
60	CURRENT IWF	0.3548	0.3548	0.3548	0.3548	0.3548
61	NEW IWF	0.3548	0.3548	0.3548	0.3548	-
62	CURRENT AWF	3.06611599364589	3.06611599364589	3.06611599364589	3.06611599364589	3.06611599364589
63	NEW AWF	3.04629674966740	3.04496983577240	3.06611599364589	3.04480096727831	-
66	CURRENT INDEX SHARES	283103066.2	283103066.2	283103066.2	283103066.2	283103066.2
67	NEW INDEX SHARES	283302597.9	283179196.2	283103066.2	283163491.6	-
68	INDEX SHARES PRIOR	283103066.2	283103066.2	283103066.2	283103066.2	283103066.2
69	EVENTS INDEX SHARES POST EVENTS	283302597.9	283179196.2	283103066.2	283163491.6	283103066.2
70	RATIO RECEIVED	0.0072154	0.0072154	0.0072154	0.0072154	0.0072154
71	RATIO HELD	1	1	1	1	1
72	SUBSCRIPTION PRICE	85.66	85.66	85.66	85.66	85.66
73	PRICE ADJUSTMENT	0.06690906	0.023926795	-	0.01884056	-
74	CURRENT PRICE	95	89	80	88.29	80
75	NEW PRICE	94.93309094	88.97607321	-	88.27115944	-
91	COMMENTS	0.72154 per 1 Rights Offer @ BRL 85.66	0.72154 per 1 Rights Offer @ BRL 85.66	0.72154 per 1 Rights Offer @ BRL 85.66	0.72154 per 1 Rights Offer @ BRL 85.66	0.72154 per 1 Rights Offer @ BRL 85.66

Stock Event Example 11a: Spin-Off, No Spin-Off Price		
Event Type:		**Spin-Off**
Status:		Pending - estimate (not yet ex-1)
File Date:		20050823
Action Notes:		No spin-off price yet. New AWF, INDEX SHARES, Price
Col #	**Data Field**	
1	INDEX NAME	S&P Dummy Index
2	INDEX CODE	SPDI
3	INDEX KEY	SP-----------------------
4	INDEX CURRENCY	USD
5	ACTION TYPE	Spin-Off
6	ACTION GROUP	Information
7	STATUS	Pending
8	ANNOUNCED DATE	20070812
9	LAST UPDATED DATE	20070812
10	CLOSE OF BUSINESS DATE	20050826
11	EFFECTIVE DATE	20050829
15	SEQUENCE NO.	-
16	STOCK KEY	26088
17	CURRENT COMPANY NAME	Telenorte Leste Part Prf
19	CURRENT RIC	TNLP4.BS
21	CURRENT BLOOMBERG TICKER	TNLP4 BS
23	CURRENT CUSIP	TNLPACNPR
25	CURRENT ISIN	BRTNLPACNPR0
27	CURRENT SEDOL	B02PDW5
29	CURRENT TICKER	TNLP4
31	CURRENT GV KEY	22264201
33	CURRENT GICS CODE	50101020
41	CURRENT MIC	BVMF
43	CURRENT COUNTRY OF DOMICILE	BR
45	CURRENT COUNTRY OF LISTING	BR
55	CURRENT CURRENCY CODE	BRL
57	FX RATE	0.412924538
58	CURRENT SHARES OUTSTANDING	261200000
59	NEW SHARES OUTSTANDING	-
60	CURRENT IWF	1
61	NEW IWF	-
62	CURRENT AWF	1.25296957456597
63	NEW AWF	-
66	CURRENT INDEX SHARES	327275652.9
67	NEW INDEX SHARES	-
68	INDEX SHARES PRIOR EVENTS	327275652.9
69	INDEX SHARES POST EVENTS	327275652.9
70	RATIO RECEIVED	1
71	RATIO HELD	1
73	PRICE ADJUSTMENT	-
74	CURRENT PRICE	35.31
75	NEW PRICE	-
85	SPIN/TARGET NAME	Contax Participacoes SA Prf
86	SPIN/TARGET TICKER	CTAX4
87	SPIN/TARGET STOCK KEY	42603
88	SPIN/TARGET MIC	BVMF
91	COMMENTS	1:1 spinoff of contax

Stock Event Example 11b: Spin-Off and Estimated Price Adjustment

Event Type:		Spin-Off	Price Adjustment
Status:		Pending - (not yet ex-1)	Estimate
File Date:		20050825	20050825
Action Notes:		Spin-off already pricing (USD 1.50)	-
Col #	**Data Field**		
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	Spin-Off	Price Adjustment
6	ACTION GROUP	Information	Market Cap Neutral Event
7	STATUS	Pending	Estimate
8	ANNOUNCED DATE	20070825	20050825
9	LAST UPDATED DATE	20070825	20050826
10	CLOSE OF BUSINESS DATE	20050826	20050826
11	EFFECTIVE DATE	20050829	20050829
15	SEQUENCE NO.	-	1
16	STOCK KEY	26088	26088
17	CURRENT COMPANY NAME	Telenorte Leste Part Prf	Telenorte Leste Part Prf
19	CURRENT RIC	TNLP4.BS	TNLP4.BS
21	CURRENT BLOOMBERG TICKER	TNLP4 BS	TNLP4 BS
23	CURRENT CUSIP	TNLPACNPR	TNLPACNPR
25	CURRENT ISIN	BRTNLPACNPR0	BRTNLPACNPR0
27	CURRENT SEDOL	B02PDW5	B02PDW5
29	CURRENT TICKER	TNLP4	TNLP4
31	CURRENT GV KEY	22264201	22264201
33	CURRENT GICS CODE	50101020	50101020
41	CURRENT MIC	BVMF	BVMF
43	CURRENT COUNTRY OF DOMICILE	BR	BR
45	CURRENT COUNTRY OF LISTING	BR	BR
55	CURRENT CURRENCY CODE	BRL	BRL
57	FX RATE	0.412924538	0.412924538
58	CURRENT SHARES OUTSTANDING	261200000	261200000
59	NEW SHARES OUTSTANDING	-	261200000
60	CURRENT IWF	1	1
61	NEW IWF	-	1
62	CURRENT AWF	1.25296957456597	1.25296957456597
63	NEW AWF	-	1.30855828683598
66	CURRENT INDEX SHARES	327275652.9	327275652.9
67	NEW INDEX SHARES	-	341795424.5
68	INDEX SHARES PRIOR EVENTS	327275652.9	327275652.9
69	INDEX SHARES POST EVENTS	341795424.5	341795424.5
70	RATIO RECEIVED	1	-
71	RATIO HELD	1	-
73	PRICE ADJUSTMENT	-	1.5
74	CURRENT PRICE	35.31	35.31
75	NEW PRICE	-	33.81
85	SPIN/TARGET NAME	Contax Participacoes SA Prf	-
86	SPIN/TARGET TICKER	CTAX4	-
87	SPIN/TARGET STOCK KEY	42603	-
88	SPIN/TARGET MIC	BVMF	-
91	COMMENTS	1:1 spinoff of contax	-

Stock Event Example 11c: Spin-Off and Finalized Price Adjustment			
Event Type:		**Spin-Off**	**Price Adjustment**
Status:		Finalized	Finalized
File Date:		20050826	20050826
Action Notes:		USD 1.42 is price of spinoff	USD 1.42 is price of spinoff
Col #	**Data Field**		
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	Spin-Off	Price Adjustment
6	ACTION GROUP	Information	Market Cap Neutral Event
7	STATUS	Finalized	Finalized
8	ANNOUNCED DATE	20070826	20050826
9	LAST UPDATED DATE	20070826	20050826
10	CLOSE OF BUSINESS DATE	20050826	20050826
11	EFFECTIVE DATE	20050829	20050829
15	SEQUENCE NO.	-	1
16	STOCK KEY	26088	26088
17	CURRENT COMPANY NAME	Telenorte Leste Part Prf	Telenorte Leste Part Prf
19	CURRENT RIC	TNLP4.BS	TNLP4.BS
21	CURRENT BLOOMBERG TICKER	TNLP4 BS	TNLP4 BS
23	CURRENT CUSIP	TNLPACNPR	TNLPACNPR
25	CURRENT ISIN	BRTNLPACNPR0	BRTNLPACNPR0
27	CURRENT SEDOL	B02PDW5	B02PDW5
29	CURRENT TICKER	TNLP4	TNLP4
31	CURRENT GV KEY	22264201	22264201
33	CURRENT GICS CODE	50101020	50101020
41	CURRENT MIC	BVMF	BVMF
43	CURRENT COUNTRY OF DOMICILE	BR	BR
45	CURRENT COUNTRY OF LISTING	BR	BR
55	CURRENT CURRENCY CODE	BRL	BRL
57	FX RATE	0.412924538	0.412924538
58	CURRENT SHARES OUTSTANDING	261200000	261200000
59	NEW SHARES OUTSTANDING	-	261200000
60	CURRENT IWF	1	1
61	NEW IWF	-	1
62	CURRENT AWF	1.25296957456597	1.25296957456597
63	NEW AWF	-	1.30546933248523
66	CURRENT INDEX SHARES	327275652.9	327275652.9
67	NEW INDEX SHARES	-	340988589.6
68	INDEX SHARES PRIOR EVENTS	327275652.9	327275652.9
69	INDEX SHARES POST EVENTS	340988589.6	340988589.6
70	RATIO RECEIVED	1	-
71	RATIO HELD	1	-
73	PRICE ADJUSTMENT	-	1.42
74	CURRENT PRICE	35.31	35.31
75	NEW PRICE	-	33.89
85	SPIN/TARGET NAME	Contax Participacoes SA Prf	-
86	SPIN/TARGET TICKER	CTAX4	-
87	SPIN/TARGET STOCK KEY	42603	-
88	SPIN/TARGET MIC	BVMF	-
91	COMMENTS	1:1 spinoff of contax	-

Stock Event Example 12: Index Close Price / Index Open Price			
Event Type:		**Example 12a Index Close Price**	**Example 12b Index Open**
Price Status:		Finalized	Finalized
File Date:		20121213	20121214
Action Notes:		Index specific Close Price that is used for calculation instead of default S&P price.	Index specific Open Price that is used for calculation instead of default S&P price.
Col #	**Data Field**		
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	Index Close Price	Index Open Price
6	ACTION GROUP	Information	Information
7	STATUS	Finalized	Finalized
8	ANNOUNCED DATE	20121213	20121210
9	LAST UPDATED DATE	20121213	20121210
10	CLOSE OF BUSINESS DATE	20121213	20121214
11	EFFECTIVE DATE	20121214	20121217
15	SEQUENCE NO.	1	1
16	STOCK KEY	10006	10006
17	CURRENT COMPANY NAME	DDR Corp.	DDR Corp.
19	CURRENT RIC	DDR.N	DDR.N
21	CURRENT BLOOMBERG TICKER	DDR UN	DDR UN
23	CURRENT CUSIP	23317H102	23317H102
25	CURRENT ISIN	US23317H1023	US23317H1023
27	CURRENT SEDOL	B6S2DF5	B6S2DF5
29	CURRENT TICKER	DDR	DDR
33	CURRENT GICS CODE	40402060	40402060
41	CURRENT MIC	XNYS	XNYS
43	CURRENT COUNTRY OF DOMICILE	US	US
45	CURRENT COUNTRY OF LISTING	US	US
55	CURRENT CURRENCY CODE	USD	USD
58	CURRENT SHARES OUTSTANDING	282263000	282263000
60	CURRENT IWF	0.79	0.79
62	CURRENT AWF	1.00000000000000	1.00000000000000
66	CURRENT INDEX SHARES	222987770	222987770
68	INDEX SHARES PRIOR EVENTS	222987770	222987770
69	INDEX SHARES POST EVENTS	222987770	222987770
74	CURRENT PRICE	14	-
75	NEW PRICE	-	16

Other Stock Event Examples: Combination events

Stock Event Example 13a: Share Change & Stock Split			
Event Type:		**Share Change & Stock Split (Full Market Cap Index)**	
Status:		Finalized	Finalized
File Date:		20120615	20120615
Action Notes:		-	CURRENT SHARES and CURRENT INDEX SHARES should show new shares from first event.
Col #	**Data Field**		
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	Share Change	Stock Split
6	ACTION GROUP	Index Change	Market Cap Neutral Event
7	STATUS	Finalized	Finalized
8	ANNOUNCED DATE	20120615	20120615
9	LAST UPDATED DATE	20120615	20120615
10	CLOSE OF BUSINESS DATE	20120615	20120615
11	EFFECTIVE DATE	20120618	20120618
15	SEQUENCE NO.	1	2
16	STOCK KEY	2582	2582
17	CURRENT COMPANY NAME	Banco Popular Espanol SA	Banco Popular Espanol SA
19	CURRENT RIC	POP.MC	POP.MC
21	CURRENT BLOOMBERG TICKER	POP SM	POP SM
23	CURRENT CUSIP	11379053	11379053
25	CURRENT ISIN	ES0113790531	ES0113790531
27	CURRENT SEDOL	B0BV6K3	B0BV6K3
29	CURRENT TICKER	POP	POP
31	CURRENT GV KEY	01552201W	01552201W
33	CURRENT GICS CODE	40101010	40101010
41	CURRENT MIC	XMCE	XMCE
43	CURRENT COUNTRY OF DOMICILE	ES	ES
45	CURRENT COUNTRY OF LISTING	ES	ES
55	CURRENT CURRENCY CODE	EUR	EUR
57	FX RATE	1.315	1.315
58	CURRENT SHARES OUTSTANDING	1726510089	1813739000
59	NEW SHARES OUTSTANDING	1813739000	1900107524
60	CURRENT IWF	0.65693	0.65693
61	NEW IWF	0.65693	0.65693
62	CURRENT AWF	1	1
63	NEW AWF	1	1
66	CURRENT INDEX SHARES	1134196273	1191499561
67	NEW INDEX SHARES	1191499561	1248237636
68	INDEX SHARES PRIOR EVENTS	1134196273	1134196273
69	INDEX SHARES POST EVENTS	1248237636	1248237636
70	RATIO RECEIVED	1.047619048	-
71	RATIO HELD	1	-
74	CURRENT PRICE	1.691	1.691
75	NEW PRICE	-	1.614136364
91	COMMENTS	Rebalancing June 2012 - Convertible bonds	Stock Dividend (scrip default option) 1 for 21.

Stock Event Example 13b: Share Change & Stock Split			
Event Type:		**Share Change & Stock Split (Weighted Index)**	
Status:		Finalized	Finalized
File Date:		20120615	20120615
Action Notes:		-	-
Col #	**Data Field**		
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP----------------------
4	INDEX CURRENCY	USD	USD
5	ACTION TYPE	Share Change	Stock Split
6	ACTION GROUP	Market Cap Neutral Event	Market Cap Neutral Event
7	STATUS	Finalized	Finalized
8	ANNOUNCED DATE	20120615	20120615
9	LAST UPDATED DATE	20120615	20120615
10	CLOSE OF BUSINESS DATE	20120615	20120615
11	EFFECTIVE DATE	20120618	20120618
15	SEQUENCE NO.	1	1
16	STOCK KEY	2582	2582
17	CURRENT COMPANY NAME	Banco Popular Espanol SA	Banco Popular Espanol SA
19	CURRENT RIC	POP.MC	POP.MC
21	CURRENT BLOOMBERG TICKER	POP SM	POP SM
23	CURRENT CUSIP	11379053	11379053
25	CURRENT ISIN	ES0113790531	ES0113790531
27	CURRENT SEDOL	B0BV6K3	B0BV6K3
29	CURRENT TICKER	POP	POP
31	CURRENT GV KEY	01552201W	01552201W
33	CURRENT GICS CODE	40101010	40101010
41	CURRENT MIC	XMCE	XMCE
43	CURRENT COUNTRY OF DOMICILE	ES	ES
45	CURRENT COUNTRY OF LISTING	ES	ES
55	CURRENT CURRENCY CODE	EUR	EUR
57	FX RATE	1.315	1.315
58	CURRENT SHARES OUTSTANDING	1726510089	1813739000
59	NEW SHARES OUTSTANDING	1813739000	1900107524
60	CURRENT IWF	0.65693	0.65693
61	NEW IWF	0.65693	0.65693
62	CURRENT AWF	0.85	0.624764243
63	NEW AWF	0.809120593	0.624764243
66	CURRENT INDEX SHARES	964066832	964066832
67	NEW INDEX SHARES	964066832	1009974776
68	INDEX SHARES PRIOR EVENTS	964066832	964066832
69	INDEX SHARES POST EVENTS	1009974776	1009974776
70	RATIO RECEIVED	1.047619048	-
71	RATIO HELD	1	-
74	CURRENT PRICE	1.691	1.691
75	NEW PRICE	-	1.614136364
91	COMMENTS	Rebalancing June 2012 - Convertible bonds	Stock Dividend (scrip default option) 1 for 21.

Stock Event Example 14a: Reverse Split & Spin-Off				
Event Type:		**Reverse Split & Spin Off (Weighted Index) - After Rebalance**		
Status:		Pending - Estimate (ex-date -6)		
File Date:		20111215		
Action Notes:		File Date before Share Change due to rebalance on 12/19/11 where Spin-off ex-date is after share change date. Current Shares, IWF, AWF's should be showing the new changes effective 12/19).	Current Shares and Current Price should reflect first action on ex-date (Reverse Split).	28.33 current price of spin-off (used in col 73).
Col #	**Data Field**			
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI	SPDI
3	INDEX KEY	SP-----------------------	SP-----------------------	SP-----------------------
4	INDEX CURRENCY	USD	USD	USD
5	ACTION TYPE	Reverse Split	Spin Off	Price Adjustment
6	ACTION GROUP	Market Cap Neutral Event	Information	Market Cap Neutral Event
7	STATUS	Pending	Pending	Estimate
8	ANNOUNCED DATE	20111215	20111215	20111215
9	LAST UPDATED DATE	20111215	20111215	20111215
10	CLOSE OF BUSINESS DATE	20111220	20111220	20111220
11	EFFECTIVE DATE	20111221	20111221	20111221
15	SEQUENCE NO.	1	-	2
16	STOCK KEY	42439	42439	42439
17	CURRENT COMPANY NAME	Expedia	Expedia	Expedia
19	CURRENT RIC	EXPE.OQ	EXPE.OQ	EXPE.OQ
21	CURRENT BLOOMBERG TICKER	EXPE UQ	EXPE UQ	EXPE UQ
23	CURRENT CUSIP	30212P105	30212P105	30212P105
25	CURRENT ISIN	US30212P1057	US30212P1057	US30212P1057
27	CURRENT SEDOL	B0F0DY9	B0F0DY9	B0F0DY9
29	CURRENT TICKER	EXPE	EXPE	EXPE
31	CURRENT GV KEY	12629602	12629602	12629602
33	CURRENT GICS CODE	25502020	25502020	XNYS
41	CURRENT MIC	XNYS	XNYS	XNYS
43	CURRENT COUNTRY OF DOMICILE	US	US	US
45	CURRENT COUNTRY OF LISTING	US	US	US
55	CURRENT CURRENCY CODE	USD	USD	USD
57	FX RATE	1	1	1
58	CURRENT SHARES OUTSTANDING	267026000	133513000	133513000
59	NEW SHARES OUTSTANDING	133513000	-	133513000
60	CURRENT IWF	0.71	0.71	0.71
61	NEW IWF	0.71	-	0.71
62	CURRENT AWF	0.54623509548151	0.54623509548151	0.54623509548151
63	NEW AWF	0.54623509548151	-	1.12257923905660
66	CURRENT INDEX SHARES	103559870.6	51779935.28	51779935.28
67	NEW INDEX SHARES	51779935.28	-	106414034.6
68	INDEX SHARES PRIOR EVENTS	103559870.6	103559870.6	103559870.6

Stock Event Example 14a: Reverse Split & Spin-Off (cont.)				
Event Type:		Reverse Split & Spin Off (Weighted Index) - After Rebalance		
Col #	Data Field			
69	INDEX SHARES POST EVENTS	106414034.6	106414034.6	106414034.6
70	RATIO RECEIVED	1	1	-
71	RATIO HELD	2	1	-
73	PRICE ADJUSTMENT	-	-	28.33
74	CURRENT PRICE	27.59	55.18	55.18
75	NEW PRICE	55.18	-	26.85
85	SPIN/TARGET NAME	-	TripAdvisor Inc.	-
86	SPIN/TARGET TICKER	-	TRIP	-
87	SPIN/TARGET STOCK KEY	-	278079	-
88	SPIN/TARGET MIC	-	XNAS	-
91	COMMENTS	In connection with spin-off of TripAdvisor Inc. (TRIP).	Spin of TRIPV 1:1 --post reverse split.	-

Stock Event Example 14b: Reverse Split & Spin-Off (cont.)				
Event Type:		Reverse Split & Spin Off (Weighted Index) - after rebalance		
Status:		Pending - Estimate (ex-date -5)		
File Date:		20111216		
Action Notes:		File Date before Share Change due to rebalance on 12/19/11 where Spin-off ex-date is after share change date. Current Shares, IWF, AWF's should be showing the new changes effective 12/19).	Current Shares and Current Price should reflect first action on ex- date (Reverse Split).	28.46 current price of spin-off (used in col 73).
Col #	Data Field			
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI	SPDI
3	INDEX KEY	SP-----------------------	SP-----------------------	SP-----------------------
4	INDEX CURRENCY	USD	USD	USD
5	ACTION TYPE	Reverse Split	Spin Off	Price Adjustment
6	ACTION GROUP	Market Cap Neutral Event	Information	Market Cap Neutral Event
7	STATUS	Pending	Pending	Estimate
8	ANNOUNCED DATE	20111216	20111216	20111216
9	LAST UPDATED DATE	20111216	20111216	20111216
10	CLOSE OF BUSINESS DATE	20111220	20111220	20111220
11	EFFECTIVE DATE	20111221	20111221	20111221
15	SEQUENCE NO.	1	2	2
16	STOCK KEY	42439	42439	42439
17	CURRENT COMPANY NAME	Expedia	Expedia	Expedia
19	CURRENT RIC	EXPE.OQ	EXPE.OQ	EXPE.OQ
21	CURRENT BLOOMBERG TICKER	EXPE UQ	EXPE UQ	EXPE UQ
23	CURRENT CUSIP	30212P105	30212P105	30212P105
25	CURRENT ISIN	US30212P1057	US30212P1057	US30212P1057
27	CURRENT SEDOL	B0F0DY9	B0F0DY9	B0F0DY9

Stock Event Example 14b: Reverse Split & Spin-Off				
Event Type:		**Reverse Split & Spin Off (Weighted Index) - after rebalance**		
Col #	**Data Field**			
29	CURRENT TICKER	EXPE	EXPE	EXPE
31	CURRENT GV KEY	12629602	12629602	12629602
33	CURRENT GICS CODE	25502020	25502020	25502020
41	CURRENT MIC	XNYS	XNYS	XNYS
43	CURRENT COUNTRY OF DOMICILE	US	US	US
45	CURRENT COUNTRY OF LISTING	US	US	US
55	CURRENT CURRENCY CODE	USD	USD	USD
57	FX RATE	1	1	1
58	CURRENT SHARES OUTSTANDING	267026000	133513000	133513000
59	NEW SHARES OUTSTANDING	133513000	-	133513000
60	CURRENT IWF	0.71	0.71	0.71
61	NEW IWF	0.71	-	0.71
62	CURRENT AWF	0.54623509548151	0.54623509548151	0.54623509548151
63	NEW AWF	0.54623509548151	-	1.11153876156892
66	CURRENT INDEX SHARES	103559870.6	51779935.28	51779935.28
67	NEW INDEX SHARES	51779935.28	-	105367461
68	INDEX SHARES PRIOR EVENTS	103559870.6	-	-
69	INDEX SHARES POST EVENTS	-	-	-
70	RATIO RECEIVED	1	1	-
71	RATIO HELD	2	1	-
73	PRICE ADJUSTMENT	-	-	28.46
74	CURRENT PRICE	27.98	55.96	55.96
75	NEW PRICE	55.96	-	27.5
85	SPIN/TARGET NAME	-	TripAdvisor Inc.	-
86	SPIN/TARGET TICKER	-	TRIP	-
87	SPIN/TARGET STOCK KEY	-	278079	-
88	SPIN/TARGET MIC	-	XNAS	-
91	COMMENTS	In connection with spin-off of TripAdvisor Inc. (TRIP).	Spin of TRIPV 1:1 –post reverse split.	-

Stock Event 14c: Reverse Split & Spin-Off				
Event Type:		**Reverse Split & Spin Off (Weighted Index) - after rebalance**		
Status:		Pending - Estimate (ex-date -2)		
File Date:		20111219		
Action Notes:		-	Current Shares and Current Price should reflect first action on ex-date (Reverse Split).	28.97 current price of spin- off (used in col 73).
Col #	**Data Field**			
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP----------------------	SP----------------------
4	INDEX CURRENCY	USD	USD	USD

Stock Event 14c: Reverse Split & Spin-Off (cont.)				
Event Type:		Reverse Split & Spin Off (Weighted Index) - after rebalance		
Col #	Data Field			
5	ACTION TYPE	Reverse Split	Spin Off	Price Adjustment
6	ACTION GROUP	Market Cap Neutral Event	Information	Market Cap Neutral Event
7	STATUS	Pending	Pending	Estimate
8	ANNOUNCED DATE	20111219	20111219	20111219
9	LAST UPDATED DATE	20111219	20111219	20111219
10	CLOSE OF BUSINESS DATE	20111220	20111220	20111220
11	EFFECTIVE DATE	20111221	20111221	20111221
15	SEQUENCE NO.	1	-	2
16	STOCK KEY	42439	42439	42439
17	CURRENT COMPANY NAME	Expedia	Expedia	Expedia
19	CURRENT RIC	EXPE.OQ	EXPE.OQ	EXPE.OQ
21	CURRENT BLOOMBERG TICKER	EXPE UQ	EXPE UQ	EXPE UQ
23	CURRENT CUSIP	30212P105	30212P105	30212P105
25	CURRENT ISIN	US30212P1057	US30212P1057	US30212P1057
27	CURRENT SEDOL	B0F0DY9	B0F0DY9	B0F0DY9
29	CURRENT TICKER	EXPE	EXPE	EXPE
31	CURRENT GV KEY	12629602	12629602	12629602
33	CURRENT GICS CODE	25502020	25502020	25502020
41	CURRENT MIC	XNYS	XNYS	XNYS
43	CURRENT COUNTRY OF DOMICILE	US	US	USD
45	CURRENT COUNTRY OF LISTING	US	US	US
55	CURRENT CURRENCY CODE	USD	USD	USD
57	FX RATE	1	1	1
58	CURRENT SHARES OUTSTANDING	267026000	133513000	133513000
59	NEW SHARES OUTSTANDING	133513000	-	1133513000
60	CURRENT IWF	0.71	0.71	0.71
61	NEW IWF	0.71	-	0.71
62	CURRENT AWF	0.54623509548151	0.54623509548151	0.54623509548151
63	NEW AWF	0.54623509548151	-	1.15091338039169
66	CURRENT INDEX SHARES	103559870.6	51779935.28	51779935.28
67	NEW INDEX SHARES	51779935.28	-	109099947.7
68	INDEX SHARES PRIOR EVENTS	103559870.6	103559870.6	103559870.6
69	INDEX SHARES POST EVENTS	109099947.7	109099947.7	109099947.7
70	RATIO RECEIVED	1	1	-
71	RATIO HELD	2	1	-
73	PRICE ADJUSTMENT	-	-	28.97
74	CURRENT PRICE	27.57	55.14	55.14
75	NEW PRICE	55.14	-	26.17
85	SPIN/TARGET NAME	-	TripAdvisor Inc.	-
86	SPIN/TARGET TICKER	-	TRIP	-
87	SPIN/TARGET STOCK KEY	-	278079	-
88	SPIN/TARGET MIC	-	XNAS	-
91	COMMENTS	In connection with spin-off of TripAdvisor Inc. (TRIP).	Spin of TRIPV 1:1 --post reverse split.	-

Stock Event 14d: Reverse Split & Spin-Off				
Event Type:		**Reverse Split & Spin Off (Weighted Index) - after rebalance**		
Status:			Finalized	
File Date:			20111220	
Action Notes:		-	Current Shares and Current Price should reflect first action on ex-date (Reverse Split).	30.25 is price of spin-off (used in col 73).
Col #	**Data Field**			
1	INDEX NAME	S&P Dummy Index	S&P Dummy Index	S&P Dummy Index
2	INDEX CODE	SPDI	SPDI	SPDI
3	INDEX KEY	SP----------------------	SP----------------------	SP----------------------
4	INDEX CURRENCY	USD	USD	USD
5	ACTION TYPE	Reverse Split	Spin Off	Price Adjustment
6	ACTION GROUP	Market Cap Neutral Event	Information	Market Cap Neutral Event
7	STATUS	Finalized	Finalized	Finalized
8	ANNOUNCED DATE	20111220	20111220	20111220
9	LAST UPDATED DATE	20111220	20111220	20111220
10	CLOSE OF BUSINESS DATE	20111220	20111220	20111220
11	EFFECTIVE DATE	20111221	20111221	20111221
15	SEQUENCE NO.	1	-	2
16	STOCK KEY	42439	42439	42439
17	CURRENT COMPANY NAME	Expedia	Expedia	Expedia
19	CURRENT RIC	EXPE.OQ	EXPE.OQ	EXPE.OQ
21	CURRENT BLOOMBERG TICKER	EXPE UQ	EXPE UQ	EXPE UQ
23	CURRENT CUSIP	30212P105	30212P105	30212P105
25	CURRENT ISIN	US30212P1057	US30212P1057	US30212P1057
27	CURRENT SEDOL	B0F0DY9	B0F0DY9	B0F0DY9
29	CURRENT TICKER	EXPE	EXPE	EXPE
31	CURRENT GV KEY	12629602	12629602	12629602
33	CURRENT GICS CODE	25502020	25502020	25502020
41	CURRENT MIC	XNYS	XNYS	XNYS
43	CURRENT COUNTRY OF DOMICILE	US	US	US
45	CURRENT COUNTRY OF LISTING	US	US	US
55	CURRENT CURRENCY CODE	USD	USD	USD
57	FX RATE	1	1	1
58	CURRENT SHARES OUTSTANDING	267026000	133513000	133513000
59	NEW SHARES OUTSTANDING	133513000	-	133513000
60	CURRENT IWF	0.71	0.71	0.71
61	NEW IWF	0.71	-	0.71
62	CURRENT AWF	0.54623509548151	0.54623509548151	0.54623509548151
63	NEW AWF	0.54623509548151	-	1.16118156508760
66	CURRENT INDEX SHARES	103559870.6	51779935.28	51779935.28
67	NEW INDEX SHARES	51779935.28	-	110073312.4
68	INDEX SHARES PRIOR EVENTS	103559870.6	103559870.6	103559870.6
69	INDEX SHARES POST EVENTS	110073312.4	110073312.4	110073312.4

Stock Event 14d: Reverse Split & Spin-Off (cont.)				
Event Type:		Reverse Split & Spin Off (Weighted Index) - after rebalance		
Col #	Data Field			
70	RATIO RECEIVED	1	1	-
71	RATIO HELD	2	1	-
73	PRICE ADJUSTMENT	-	-	30.25
74	CURRENT PRICE	28.56	57.12	57.12
75	NEW PRICE	57.12	-	26.87
85	SPIN/TARGET NAME	-	TripAdvisor Inc.	-
86	SPIN/TARGET TICKER	-	TRIP	-
87	SPIN/TARGET STOCK KEY	-	278079	-
88	SPIN/TARGET MIC	-	XNAS	-
91	COMMENTS	In connection with spin-off of TripAdvisor Inc. (TRIP).	Spin of TRIPV 1:1 – post reverse split.	-

APPENDIX II - HOW TO FILTER CONSTITUENTS

The .SDC Constituent files are generally structured to show all stocks included in the broadest index within an index family. This index is commonly referred to as the “parent index”. The parent index typically includes all constituents without regard to SIZE, COUNTRY/REGION, GROWTH/VALUE, GICS CODE and other index attributes that further narrow down an index’s criteria for constituent inclusion. Indices within the same family that take into account these and/or other attributes in order to further drill down their included constituents are referred to as “child indices”.

Typical index key codes that will require filtering the constituents are as follows:

Index Key Code	Description
Index Attribute	Value, Growth and Shariah codes require the respective field in the .SDC file to be filtered where the value is zero or null.
Country / Region	Valid for global families only. Regional breakdowns require a look up of the region to country mapping.
Size / Cap Range	Required for families that have size breakdowns only.
Sector	Used to filter by GICS CODE, DJI INDUSTRY CODE or ALTERNATE CLASSIFICATION CODE.

Constituent level stock data can be extracted for child indices from the parent index’s constituent level

.SDC files. This can be done by filtering the .SDC file by the various data field column headers. Common fields in the .SDC file that require filtering are:

.SDC Data Column	Description
COUNTRY OF DOMICILE	To filter constituents based on country of domicile or region.
GICS CODE	To filter constituents based on GICS sector.
DJI INDUSTRY CODE	To filter constituents based on Dow Jones proprietary sector classification.
ALTERNATE CLASSIFICATION CODE	To filter constituents with alternate, non-standard sector classifications (e.g. REITS).
GROWTH	To filter constituents based on GROWTH factor for style indices.
VALUE	To filter constituents based on Value factor for style indices.
CAP RANGE	To filter constituents based on stock size cap ranges (e.g. > US$ 5B).
SIZE	To filter constituents based on stock size classification (e.g. mid cap).

By filtering the various columns, one can manipulate the data to include only the stocks that have the characteristics required by the specific child index and exclude all other stocks in the parent constituent file.

Below is an example of how to extract constituent data for child indices from the parent index’s constituent level .SDC files.

File Name: 20120716_SPBMI_GL_BMI_USD_C_CLS.SDC (contains 10,525 constituents)

Parent Index Name: S&P Global BMI (US Dollar)

Parent Index Key: SPGBBMBMI-USDFF--P-RGL---

In our example we will extract the constituents for the following **child index** from the .SDC file noted above:

Child Index Name: S&P Europe Ex-Switzerland BMI Growth Utilities (US Dollar) Child Index Key: SPGBBMBMI-USDFFG-P-RES---55

Table 1 below shows an excerpt from the index level .SDL file (20120716_SPBMI_GL_BMI_USD_I.SDL) showing relevant data fields for both the parent index and our example child index. In the next chapter "*How to Calculate & Roll up Market* Caps", we can check that the extracted constituent data rolls up to the index level data by comparing the number of constituents included in the index per the CLOSE COUNT in the index level .SDL file and by summing up the individual stocks' index market cap and comparing the total to the index level CLOSE MARKET CAP.

Table 1 – Excerpt of Index Level (.SDL) File 20120716_SPBMI_GL_BMI_USD_I.SDL

Date of Index	Index Name	Index Key	GICS Code	Close Market Cap	Close Count
20120716	S&P Global BMI (USD)	SPGBBMBMI-USDFF--P-RGL---		31787415852543.90	**10525**
20120716	S&P Europe Ex-Switzerland BMI Growth Utilities (USD)	SPGBBMBMI-USDFFG-P-RES---55	55	147391634577.41	**48**

The child index in our example (Index Key: SPGBBMBMI-USDFFG-P-RES---55) can be broken down or decoded as follows:

Breakdown

Field	Character Position	Code	Code Description
Brand of Index	1-2	SP	Standard & Poor's
Index Family	3-6	GBBM	Global Benchmark
Index Specific	7-10	BMI-	S&P BMI Broad Market Index
Index Currency	11-13	USD	U.S. Dollar
Weighting Scheme	14-15	FF	Free Float
Index Attribute	16-17	G-	Growth
Index Return Type	18-19	P-	Price Return
Country / Region	20-22	RES	Europe ex-Switzerland
Size / Cap Range	23-25	---	Not Applicable
Sector Information	26+	55	Utilities Sector GICS Code

The following index key characteristics can be filtered and used to extract the child index constituent data from the parent index constituent .SDC file.

Index Key Characteristic	Applicability to our Example
Index Attribute	For Growth indices, such as our example child index, only the constituents classified as growth stocks as noted in the .SDC constituent file are used in the index's calculation. Filtering the .SDC constituent data by the GROWTH column allows users to extract only those stocks with a growth factor (i.e. GROWTH > 0) as in the case of our example child index.
Country/Region	With the country/region code, the subscriber can dig deeper and check to see which countries make up a specified region. Filtering the .SDC constituent data by the COUNTRY column allows users to extract only those stocks from a specific country or from countries making up a specific region such as Europe ex-Switzerland as in our example.
Size/Cap Range	The size/cap range code allows one to find specific indices and filter constituent data for specific size segments of interest. Please note that the size/cap range code in our example is null. Thus, in our example we will not filter by SIZE or CAP RANGE as our child index example does not specify stocks of a certain SIZE or CAP RANGE classification.
Sector Information	Sector codes allow the ability to find specific indices and filter constituent data for specific industrial/business sectors of interest. Sector codes follow the logic of taking the first set of characters and extracting all stocks whose sector codes start with the characters. GICS codes start with digits, DJI Industry codes start with the letter "D" and Alternate Classification codes comprise all sectors not starting with digits or the letter "D". Filtering the .SDC constituent data by the applicable GICS CODE, DJI INDUSTRY CODE or ALTERNATE CLSSIFICATION CODE column allows users to extract only those stocks classified as belonging to a specific sector, industry group, industry or sub-industry in-line with the sector characteristics on the index. Thus, in our example we will filter for stock constituents with a GICS code of 55 as the first two digits.

To extract child index data from the constituent .SDC file noted above, we will filter the following data columns:

.SDC Data Column	Rationale
GROWTH	To include only stocks with a growth factor greater than 0.
GICS CODE	To include only stocks with a GICS code starting with 55 as the first two digits, 55 being the Utilities sector.
COUNTRY	To include only stocks from countries within the Europe Ex-Switzerland (RES) region as of the date of the index.

The steps taken to filter and extract the child index constituents are discussed below:

Step	Comments
1. Drag the .SDC file into Microsoft Excel to open the file.	-
2. Filter the index constituent data by filtering the GROWTH data column to include only stocks with a growth factor greater than 0.	In our example we select all data values except 0 (i.e. all values >0).
3. Filter the index constituent data by filtering the GICS CODE data column to include only stocks with a GICS code starting with 55 as the first two digits.	In our example we select only the data values: 55101010, 55102010, 55103010, 55104010 and 55105010.
4. Filter the index constituent data by filtering the COUNTRY data column to include only stocks from countries within the Europe Ex-Switzerland region (RES region code) as per the table below. For a country to be included in a region, the index's effective date must be greater than (>) the effective start date of the country's regional membership and less than (<) the effective end date of the country's regional membership. A null value for a country's effective end date means the country is still an active member of the region.	In our example, the index file date is 20120716. Thus, all of the countries in the table below are included in the child index region except Czech Republic, Hungary, Iceland and Slovenia.

Europe Ex-Switzerland Region: Country Membership					
Region Name	**Region Code**	**Country Name**	**Country Code**	**Effective Start Date**	**Effective End Date**
Europe Ex Switzerland	RES	Austria	AT	3-Jul-89	-
Europe Ex Switzerland	RES	Belgium/Lux	BE	3-Jul-89	-
Europe Ex Switzerland	RES	Czech Republic	CZ	2-Jul-01	1-Jul-04
Europe Ex Switzerland	RES	Denmark	DK	3-Jul-89	-
Europe Ex Switzerland	RES	Finland	FI	3-Jul-89	-
Europe Ex Switzerland	RES	France	FR	3-Jul-89	-
Europe Ex Switzerland	RES	Germany	DE	3-Jul-89	-
Europe Ex Switzerland	RES	Greece	GR	1-Oct-99	-
Europe Ex Switzerland	RES	Hungary	HU	1-Jul-03	1-Jul-04
Europe Ex Switzerland	RES	Iceland	IS	1-Jul-02	1-Dec-08
Europe Ex Switzerland	RES	Ireland	IE	3-Jul-89	-
Europe Ex Switzerland	RES	Italy	IT	3-Jul-89	-
Europe Ex Switzerland	RES	Luxembourg	LU	3-Oct-05	-
Europe Ex Switzerland	RES	Netherlands	NL	3-Jul-89	-
Europe Ex Switzerland	RES	Norway	NO	3-Jul-89	-
Europe Ex Switzerland	RES	Portugal	PT	1-Jul-98	-
Europe Ex Switzerland	RES	Slovenia	SI	1-Jul-03	1-Oct-07
Europe Ex Switzerland	RES	Spain	ES	3-Jul-89	-
Europe Ex Switzerland	RES	Sweden	SE	3-Jul-89	-
Europe Ex Switzerland	RES	United Kingdom	GB	3-Jul-89	-

Upon conclusion of our exercise, we have filtered a file consisting of 10,525 constituent stocks for the parent index down to 48 stocks that meet the requirements and make up the child index.

We can check that the extracted constituent data rolls up to the index level data by comparing the number of constituents included in the index per the CLOSE COUNT in index level .SDL file and by summing up the individual stocks' index market cap and comparing the total to the index level CLOSE MARKET CAP. In Table 1 above, we see certain data fields from the index level .SDL file (20120716_SPBMI_GL_BMI_USD_I.SDL). We can see that the CLOSE COUNT for the child index of 48 matches the number of constituents we extracted. To see the 48 constituent stocks of extracted for the child index and to verify if the CLOSE MARKET CAP matches, please see the example calculation of an index constituent's market cap in the chapter *Example Calculation & Roll Up*.

APPENDIX III - DOCUMENT REVISIONS

The following revisions have been made to this document since it was first published:

Revision Number	Chapter > Sub-Chapter	Nature of Revision	Original Details	Revised Details	Change Effective Date
31	Constituent Details End Of Month File - .EOM.SDC	The table displaying the additional columns has been updated to reflect columns removed from the file template.	VALUE TRADED (MILLIONS) appeared in the file	VALUE TRADED (MILLIONS) has been removed from the file	30-Jan-2020
30	Index Level End Of Month File - .EOM.SDL	The table displaying the additional columns has been updated to reflect columns removed from the file template.	HIGH PRICE, LOW PRICE, TOTAL VALUE TRADED (MILLIONS), NUMBER OF SHARES TRADED (MILLIONS), and NUMBER OF DAYS TRADED appeared in the file	HIGH PRICE, LOW PRICE, TOTAL VALUE TRADED (MILLIONS), NUMBER OF SHARES TRADED (MILLIONS), and NUMBER OF DAYS TRADED have been removed from the file	31-Jan-2020
29	.SDE - Index Corporate Events	Display of future index events changed from a maximum of 30 calendar days in advance to 20 calendar days in advance	Events in the file are as of the current file date and and up to the following thirty (30) calendar days	Events in the file are as of the current file date and up to the following twenty (20) calendar days	27-Feb-2017
28	.SDC - Index Constituent Details > .SDC File Data Contents	Updated data field descriptions DIVIDEND (.SDC Column 37) and NET DIVIDEND (.SDC Column 38) to include Dividend Adjustment and Net Dividend Adjustment	Not Applicable	See updated section	1-Jan-2016
27	.SDE - Index Corporate Events > .SDE File Data Contents	The data field description for “REFERENCE DATE (.SDE Column 12) has been updated to include Dividend Adjustment.	Not Applicable	See updated section	1-Jan-2016
26	.SDE - Index Corporate Events > .SDE File Data Contents	Updated data field descriptions DIVIDEND (.SDE Column 77) and NET DIVIDEND (.SDE Column 78) to include Dividend Adjustment and Net Dividend Adjustment	Not Applicable	See updated section	1-Jan-2016
25	.SDE - Index Corporate Events > .SDE Action Groups	Addition of Dividend Adjustment as an Action Type under the Action Group of Distribution	Not Applicable	See updated section	1-Jan-2016
24	.SDE - Index Corporate Events > .SDE Action Types	Addition of Dividend Adjustment as a Stock Event	Not Applicable	See updated section	1-Jan-2016
23	.SDE - Index Corporate Events > .SDE File Behavior	Described 1. the potential difference in the dividend adjustment amount displayed in the SDC and SDE; 2. the exception when dividend adjustment will not be applied.	Not Applicable	See updated section	1-Jan-2016
22	Appendix I – Example .SDE Action > Stock Events	Addition of Dividend Adjustment in Stock Events	Not Applicable	See updated section	1-Jan-2016
21	Appendix I – Example .SDE Action > Stock Events	Inclusion of two examples of Dividend and Dividend Adjustment (Example 4h Part 1 and Part 2)	Not Applicable	See updated section	1-Jan-2016
20	Stock Event Example 1: Add / Drop; Example 1a Add (replacement)	.SDE file enhancement	“Pending”	“Estimate”	17-Aug-2015

19	.SDE - Index Corporate Events, Changes from UFF 1.0, Appendix I - Example .SDE Actions	.SDE file enhancements	See summary document.	See summary document.	17-Nov-2014
18	.SDE - Index Corporate Events > .SDE File Data Contents > Field “8. LAST UPDATED DATE”	Appended the note “For adds/drops this states the last update date of all compositions of an index.”	Not Applicable.	See updated section	31-May-2013
17	Appendix I – Example .SDE Action > Stock Events	Addition of two stock events: Index Close Price and Index Open Price, and updated stock event examples	Not Applicable.	See updated section	16-Jan-2013
16	.SDE - Index Corporate Events > .SDE File Ordering	Addition of new section “.SDE File Ordering”	Not Applicable.	See new section “.SDE File Ordering”	16-Jan-2013

Revision Number	Chapter > Sub-Chapter	Nature of Revision	Original Details	Revised Details	Change Effective Date
15	.SDE - Index Corporate Events > Stock Event Field Population Defaults	Revision of table of column headers associated with this section	Not Applicable.	See updated section	16-Jan-2013
14	.SDE - Index Corporate Events > .SDE Action Types	Addition of two stock events: Index Close Price and Index Open Price	Not Applicable.	See updated section	16-Jan-2013
13	.SDE - Index Corporate Events > .SDE File Data Contents	The following data field descriptions have been revised: DIVIDEND (.SDE Column 72) and NET DIVIDEND (.SDE Column 73)	Not Applicable.	See updated field descriptions.	16-Jan-2013
12	.SDE - Index Corporate Events > .SDE File Data Contents	The following data field special handling details have been revised: CURRENT COUNTRY OF DOMICILE (.SDE Column 39), NEW COUNTRY OF DOMICILE (.SDE Column 40), CURRENT CAP RANGE (.SDE Column 47), CURRENT SHARIAH (.SDE Column 49), NEW SHARIAH (.SDE Column 50), CURRENT TAX RATE (.SDE Column 76) and NEW TAX RATE (.SDE Column 77)	Not Applicable.	See updated special handling details.	16-Jan-2013
11	.SDL - Index Levels > .SDL File Data Contents	The following data field special handling details have been revised: CLOSE MARKET CAP (.SDL Column 9), CLOSE DIVISOR (.SDL Column 10), ADJ MARKET CAP (.SDL Column 14), ADJ DIVISOR (.SDL Column 15)	Blank for all total return type indices; valued for all others.	Blank for all total return indices except those where their dividends are reinvested in the index at the market open.	27-Dec-2012
10	.SDC - Index Constituent Details > .SDC File Data Contents	The following data field formats have been changed: GROWTH (.SDC Column 30), VALUE (.SDC Column 31), INDEX WEIGHT (.SDC Column 34), DAILY PRICE RETURN (.SDC Column 35) and DAILY TOTAL RETURN (.SDC Column 36)	Numeric; Max. Length: 38; Max. Precision 14	Numeric; Max. Length: 38; Max. Precision 20	27-Nov-2012
9	.SDC - Index Constituent Details > .SDC File Data Contents and .SDE - Index Corporate Events > .SDE File Data Contents	The following data field formats have been changed: SHARES OUTSTANDING (.SDC Column 26), CURRENT SHARES OUTSTANDING (.SDE Column 54), NEW SHARES OUTSTANDING (.SDE Column 55), SPIN OFF CURRENT SHARES OUTSTANDING (.SDE Column 94), SPIN OFF NEW SHARES OUTSTANDING (.SDE Column 95), TARGET CURRENT SHARES OUTSTANDING (.SDE Column 120) and TARGET NEW SHARES OUTSTANDING (.SDE Column 121)	Numeric; Max. Length: 38; Max. Precision 14	Integer; Max. Length: 38	27-Nov-2012
8	.SDE - Index Corporate Events > .SDE File Data Contents	Data Field REPLACEMENT STOCK KEY (.SDE Column 129) format details have been revised	Integer; Max. Length: 4	Integer; Max. Length: 1,000	8-Nov-2012
7	.SDE - Index Corporate Events > .SDE File Data Contents	The following data field formats have been changed: CURRENT SHARES OUTSTANDING (.SDE Column 54), NEW SHARES OUTSTANDING (.SDE Column 55), SPIN OFF CURRENT SHARES OUTSTANDING (.SDE Column 94), SPIN OFF NEW SHARES OUTSTANDING (.SDE Column 95), TARGET CURRENT SHARES OUTSTANDING (.SDE Column 120) and TARGET NEW SHARES OUTSTANDING (.SDE Column 121)	Numeric	Numeric; Max. Length: 38; Max. Precision 14	8-Nov-2012

Revision Number	Chapter > Sub-Chapter	Nature of Revision	Original Details	Revised Details	Change Effective Date
6	.SDE - Index Corporate Events > .SDE File Data Contents	The following data field formats have been changed: CURRENT ALTERNATE CLASSIFICATION CODE (.SDE Column 35), NEW ALTERNATE CLASSIFICATION CODE (.SDE Column 36), SPIN OFF ALTERNATE CLASSIFICATION CODE (.SDE Column 89) and TARGET ALTERNATE CLASSIFICATION CODE (.SDE Column 115)	Integer; Max. Length: 1,000	Text; Max. Length: 1,000	8-Nov-2012
5	.SDE - Index Corporate Events > .SDE File Data Contents	The following data field formats have been changed: CURRENT DJI INDUSTRY CODE (.SDE Column 33), NEW DJI INDUSTRY CODE (.SDE Column 34), SPIN OFF DJI INDUSTRY CODE (.SDE Column 88) and TARGET DJI INDUSTRY CODE (.SDE Column 114)	Integer; Max. Length: 1,000; Format will always start with a “D” then 4 digits times 4 levels.	Text; Max. Length: 1,000; Format will always start with a “D” then 4 digits times 4 levels.	8-Nov-2012
4	.SDE - Index Corporate Events > .SDE File Data Contents	The following data field formats have been changed: ANNOUNCEMENT ID (.SDE Column 12) and SEQUENCE NO. (.SDE Column 13)	Integer	Integer; Max. Length: 1,000	8-Nov-2012
3	.SDC - Index Constituent Details > .SDC File Data Contents	Data Field ALTERNATE CLASSIFICATION CODE (.SDC Column 16) format details have been revised	Integer; Max. Length: 200	Text; Max. Length: 200	8-Nov-2012
2	.SDC - Index Constituent Details > .SDC File Data Contents	Data Field DJI INDUSTRY CODE (.SDC Column 15) format details have been revised	Integer; Max. Length: 200; Format will always start with a “D” then 4 digits times 4 levels.	Text; Max. Length: 200; Format will always start with a “D” then 4 digits times 4 levels.	8-Nov-2012
1	.SDC - Index Constituent Details > .SDC File Data Contents	Data Field LOCAL PRICE (.SDC Column 24) special handling details have been revised	For open total return indices, the value in the ADJ.SPC file deducts dividends. For open net total return indices, the value in the ADJ.SPC file deducts net dividends.	The LOCAL PRICE field will not deduct dividends in the ADJ file. Clients will need to either obtain the DIVIDEND ADJUSTED PRICE from Column 70 in the .SDE file or subtract the dividend / net dividend (based on TR/NTR index) from the LOCAL PRICE to get the dividend adjusted price.	18-Oct-2012

UFF FILE ACCESS

UFF files are available via FTP through the Enterprise Data Exchange (EDX), S&P Dow Jones Indices' common file transfer platform. UFF files are retained in the subscriber's EDX inbox (exceptions may apply) for a period of seven (7) days, after which the files are deleted.

Further information on index subscriptions and assistance accessing UFF files via EDX can be obtained by contacting Client Services at index_services@spglobal.com.

UFF CHANGE NOTICE PERIODS

It is highly recommended that users program and code their databases and other associated systems in such a way as to be able to read UFF file data by field name rather than by field location. This should ensure increased flexibility in adjusting to any potential future changes to the UFF files while keeping disruptions to a minimum.

Any future changes to the UFF files, including format changes will be announced to clients via an email notification. Potential changes and their associated notice periods are listed in the table below. Please note that this list is not exhaustive and additional changes may occur. In addition, the notice periods below reflect best practices and are for reference purposes only. While S&P Dow Jones Indices will attempt to give notice as outlined below, actual notice periods may differ depending on the circumstances surrounding the change being made.

Potential UFF Change	Anticipated Notice Period
1. Addition of new fields at the beginning, middle or end of the file	30 days
2. Reordering of fields	30 days
3. Removal of fields	30 days
4. Field name changes	30 days
5. Index additions and removals to existing files	7 days
6. Index name, index code and index key changes	7 days
7. Major file structure changes	90 days

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