



NYSE Powered Index Products

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Preface

Document History

Version No.	Date	Change Description
1.0	08/04/2014	First release of document

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Further Information

- For additional product information, visit the NYSE Powered Index Weightings product page:
<http://www.nyxdata.com/page/1308>

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1. Introduction

The NYSE Powered Index data products are comprised of daily reports that provide detailed index composition, weights, reviews and daily components changes for 3rd party indices calculated by NYSE. The reports are published twice daily or intraday:

- The End of Day reports (EOD) carry close of business data for the various indices
- The Next Day reports (NXTD) carry data adjusted for corporate actions/index reviews
- The Daily Changes reports provide component level changes and adjustments affecting indices

1.1 Types of File Available

- **Summary** - These carry index divisors, levels and other relevant index data.
- **Components** - These carry detailed composition and weights data.
- **Daily Changes** – These carry changes and adjustments at the component level, including rebalance information.

1.2 Index Data Products

The file layouts described in this document apply to the following index data products:

- **NYSE Powered Premium Package**- The NYSE Powered Premium product is a reference market data product providing users the full breadth of index data including composition weightings, index levels, changes and adjustments for all 3rd party indices calculated by NYSE.
- **NYSE Powered Index Weightings** - The NYSE Powered Index Weightings product is a reference market data product providing users component weighting and index level data for all 3rd party indices calculated by NYSE.

This NYSE Powered product also carries data for the following:

- NYSE Powered Nonstandard Indices

2. Delivery Schedule

The NYSE Powered Index Weightings products offer Summary and Components End-of-Day (EOD) and Next Day (NXTD) files (formerly BOD files) and Daily Changes according to the following schedule:

NYSE Powered Index Products

- EOD Files
 - Summary:
 - First batch: between 7h00pm ET and 9h00pm ET
 - Second batch: between 9h00pm ET and 11h00pm ET
 - Components:
 - Single Batch: between 7h00pm ET and 9h00pm ET
- NXTD Files
 - Summary and Components
 - Single Batch: between 9h00pm ET and 11h00pm ET
- DAILYCHANGES Files
 - Daily Change Files (individual or multiple changes available intra-day):
 - Delivered on an ad-hoc basis as alerts become available
 - Effective Files (all changes effective for the next trading day):
 - First batch: 2h45pm ET
 - Second batch: 9h00pm ET
 - Summary Files (all changes, including next trading day effective and future effective date):
 - First batch: 7h00am ET
 - Second batch: 11h00am ET
 - Third batch: 1h00pm ET
 - Fourth batch: 3h00pm ET
 - Fifth batch: 7h00pm ET
 - Sixth batch: 11h30pm ET

3. File Layouts

3.1 NYSE Powered Index Product

3.1.1 NYSE Powered Summary Index Files – EOD

Table 1 describes the file layouts that will be used for NYSE Powered EOD Summary index files.

Table 1 File Layout – NYSE Powered EOD Summary Index File

column_name	field_type_key	field_length	date_mask	column_description
FILE_DATE	Date	10	mm/dd/yyyy	Calculation date of the index.
INDEX_NAME	Text	250		Index name.
OFFICIAL_IDENTIFIER	Text	25		Official identifier of the index.
OFFICIAL_IDENTIFIER_TYPE	Text	25		Official identifier type (i.e. Ticker, CUSIP, ISIN).
TICKER	Text	25		Index symbol.
COUNTRY_CODE	Text	5		Country identifier of the index (for example, US).
CURRENCY_CODE	Text	3		Currency identifier of the index (for example, USD).
DIVISOR	Number	30,15		Index divisor.
OPEN_CALCULATION	Number	30,15		Opening level of the index calculated from the official open prices of the components (or official previous close in case the component did not trade).
PREVIOUS_CLOSE	Number	30,15		Previous close level of the index.
CLOSE	Number	30,15		Close level of the index.
CASH_COMPONENT	Number	30,15		Aggregated dividends paid by the index components.
MARKET_CAPITALISATION	Number	30,15		Market capitalization of the index.
NUMBER_CONSTITUENTS	Number	10		Number of components of the index.
EXCHANGE_RATE	Number	30,16		Exchange rate used to translate internal market capitalization into the index level currency.
EFFECTIVE_DATE	Date	10	mm/dd/yyyy	Effective date of the divisor.

3.1.2 NYSE Powered Summary Index Files – NXTD

Table 2 describes the file layouts that will be used for NYSE Powered NXTD Summary index files.

Table 2 File Layout – NYSE Powered NXTD Summary Index File

column_name	field_type_key	field_length	date_mask	column_description
FILE_DATE	Date	10	mm/dd/yyyy	Official date for the Index Close level
INDEX_NAME	Text	250		Index name.
OFFICIAL_IDENTIFIER	Text	25		Official identifier of the index.
OFFICIAL_IDENTIFIER_TYPE	Text	25		Official identifier type (i.e. Ticker, CUSIP, ISIN).
TICKER	Text	25		Index symbol.
COUNTRY_CODE	Text	5		Country identifier of the index (for example, US).
CURRENCY_CODE	Text	3		Currency identifier of the index (for example, USD).
DIVISOR	Number	30,15		New index divisor (adjusted for reviews/corporate actions)
OPEN_CALCULATION	Number	30,15		To be presented empty
PREVIOUS_CLOSE	Number	30,15		To be presented empty
CLOSE	Number	30,15		Close level of the index.
CASH_COMPONENT	Number	30,15		Aggregated dividends paid by the index components.
MARKET_CAPITALISATION	Number	30,15		Market capitalization of the index at close (adjusted for reviews/corporate actions)
NUMBER_CONSTITUENTS	Number	10		New number of components of the index (after reviews/corporate actions)
EXCHANGE_RATE	Number	30,16		Exchange rate used to translate internal market capitalization into the index level currency.
EFFECTIVE_DATE	Date	10	mm/dd/yyyy	Effective date of the divisor.

3.1.3 NYSE Powered Components Index Files – EOD

Table 3 describes the file layout that will be used for NYSE Powered EOD Components index files

Table 3 File Layout – NYSE Powered EOD Components Index File

column_name	field_type_key	field_length	date_mask	column_description
FILE_DATE	Date	10	mm/dd/yyyy	Trading date.
INDEX	Text	25		Index marker (i.e. Index symbol).
COMPONENT_NAME	Text	250		Component name.
OFFICIAL_IDENTIFIER	Text	25		Official identifier of the component.
OFFICIAL_IDENTIFIER_TYPE	Text	25		Official identifier type (i.e. Ticker, CUSIP, ISIN).
TICKER	Text	25		Component symbol.
COUNTRY_CODE	Text	5		Country identifier of the component
CURRENCY_CODE	Text	3		Currency identifier of the component.
INDUSTRY_CODE	Text	4		FTSE's ICB Industry code of the component. Not available for non-North American components.
SUPERSECTOR_CODE	Text	4		FTSE's ICB Supersector code of the component. Not available for non-North American components.
SECTOR_CODE	Text	4		FTSE's ICB Sector code of the component. Not available for non-North American components.
SUBSECTOR_CODE	Text	4		FTSE's ICB Subsector code of the component. Not available for non-North American components.
SHARES	Number	30,15		Number of shares for the component included in the index.
MULTIPLIER	Number	30,15		Adjustment factor applied to number of shares for the component.
FLOAT_FACTOR	Number	30,10		Adjustment factor representing the portion of shares for the component available in the market.
OPEN_PRICE	Number	30,15		Open price for the component (or previous close if the component did not trade).
OPEN_INDICATOR	Number	1		Indicates whether or not the component traded.
CLOSE	Number	30,15		Close price of the component.
CASH_DIVIDENDS	Number	30,15		Dividend amount paid by the component on the trading date.

column_name	field_type_key	field_length	date_mask	column_description
EXCHANGE_RATE	Number	30,16		Exchange rate used to calculate the internal market capitalization of the component.
MARKET_CAPITALISATION	Number	30,15		The market capitalization used for the component in the index calculation (i.e. index capitalization for the component).
WEIGHT	Number	30,15		The weight of the component in the index.
EFFECTIVE_DATE	Date	10	mm/dd/yyyy	Effective date of the composition.

3.1.4 NYSE Powered Components Index Files - NXTD

Table 4 describes the file layout that will be used for NYSE Powered NXTD Components index files

Table 4 File Layout – NYSE Powered NXTD Components Index File

column_name	field_type_key	field_length	date_mask	column_description
FILE_DATE	Date	10	mm/dd/yyyy	Trading date.
INDEX	Text	25		Index marker (i.e. Index symbol).
COMPONENT_NAME	Text	250		Component name.
OFFICIAL_IDENTIFIER	Text	25		Official identifier of the component.
OFFICIAL_IDENTIFIER_TYPE	Text	25		Official identifier type (i.e. Ticker, CUSIP, ISIN).
TICKER	Text	25		Component symbol.
COUNTRY_CODE	Text	5		Country identifier of the component
CURRENCY_CODE	Text	3		Currency identifier of the component.
INDUSTRY_CODE	Text	4		FTSE's ICB Industry code of the component. Not available for non-North American components.
SUPERSECTOR_CODE	Text	4		FTSE's ICB Supersector code of the component. Not available for non-North American components.
SECTOR_CODE	Text	4		FTSE's ICB Sector code of the component. Not available for non-North American components.
SUBSECTOR_CODE	Text	4		FTSE's ICB Subsector code of the component. Not available for non-North American components.
SHARES	Number	30,15		Number of shares for the component included in the index.
MULTIPLIER	Number	30,15		Adjustment factor applied to number of shares for the component.
FLOAT_FACTOR	Number	30,10		Adjustment factor representing the portion of shares for the component available in the market.
OPEN_PRICE	Number	30,15		Open price for the component (or previous close if the component did not trade).
OPEN_INDICATOR	Number	1		Indicates whether or not the component traded.
CLOSE	Number	30,15		Close price of the component.
CASH_DIVIDENDS	Number	30,15		Dividend amount paid by the component on the trading date.

column_name	field_type_key	field_length	date_mask	column_description
EXCHANGE_RATE	Number	30,16		Exchange rate used to calculate the internal market capitalization of the component.
MARKET_CAPITALISATION	Number	30,15		The market capitalization used for the component in the index calculation (i.e. index capitalization for the component).
WEIGHT	Number	30,15		The weight of the component in the index.
EFFECTIVE_DATE	Date	10	mm/dd/yyyy	Effective date of the composition.

3.1.5 NYSE Powered Daily Changes Index Files

Table 4 describes the file layout that will be used for NYSE Powered Daily Changes index files

Table 4 File Layout – NYSE Powered Daily Changes Index File

column_name	field_type_key	field_length	date_mask	column_description
Record Number	Number	30, 0		Identifies a unique corporate action record in the file
Effective Date	Date	0	YYMMDD	Date on which the action is effective at the opening of trading
Index	Text	20		Index on whose composition the action is applicable for
Component	Text	20		Component on which the action is applicable; Old symbol for symbol changes
Action Type	Text	20		Type of action being executed
New Shares	Number	30, 15		New unadjusted shares for a share change; Unadjusted shares for an addition
New Multiplier	Number	30, 15		New multiplier for a share change; Multiplier for an addition
New Float Factor	Number	30, 15		New float factor for a share change; Float factor for an addition
Adjusted Price	Number	30, 15		New adjusted previous & close prices for a price adjustment (local)
New Cash Component	Number	30, 15		New cash component for a cash change
Gross Dividend	Number	30, 15		Gross dividend amount for component
Dividend Currency	Text	4		Currency in which gross dividend is paid for a component
Dividend Tax Rate	Number	30, 15		Tax rate to apply on gross dividend amount to derive net dividend amount for a component
Split Ratio	Number	30, 15		Ratio of stock split or stock dividend to be applied to the previous & close prices and unadjusted shares
Distribution Amount	Number	30, 15		Value per share of special cash dividend, rights offering, or spin-off to be applied to previous & close prices
Distribution Currency	Text	4		Currency in which distribution amount is quoted in
New Symbol	Text	20		New symbol for component for identifier change
New RIC	Text	20		New Thomson Reuters RIC symbol for identifier change

column_name	field_type_key	field_length	date_mask	column_description
New Bloomberg Symbol	Text	20		New Bloomberg Symbol for component for identifier change
New Local Exchange Symbol	Text	20		New Local Exchange Symbol for component for identifier change
New Name	Text	120		New component description or name for identifier change
New Exchange	Text	20		New primary exchange for component for identifier change
New MIC	Text	5		New MIC code for component for identifier change
New CUSIP	Text	10		New CUSIP number for component for identifier change
New ISIN	Text	15		New ISIN code for component for identifier change
New Sedol	Text	10		New Sedol number for component for identifier change
New Country of Domicile	Text	5		New Country of Domicile for component for identifier change
New ICB Classification Code	Number	30, 15		New ICB Classification Code for component for identifier change
New Component Currency	Text	4		New Currency Code for component for identifier change
Record Modification Flag	Text	2		Indicates that Record has been Modified
Record Cancellation Flag	Text	2		Indicates that Record has been Cancelled
Rebalance Flag	Text	2		Indicates that Record is related to an Index Rebalance
Notes	Text	2,000		Business-created custom notes on action being executed
New Adjusted Shares	Number	30, 15		Total amount of newly adjusted shares
Adjusted Price Converted	Number	30, 15		Adjusted Price converted in \$USD
Net Dividend	Number	30, 15		Final amount after all adjustments have been made
Existing RIC	Text	20		Existing Thomson Reuters RIC symbol for identifier change
Existing Bloomberg Symbol	Text	20		Existing Bloomberg Symbol for component for identifier change

column_name	field_type_key	field_length	date_mask	column_description
Existing Local Exchange Symbol	Text	20		Existing Local Exchange Symbol for component for identifier change
Existing Name	Text	120		Existing component description or name for identifier change
Existing Exchange	Text	20		Existing primary exchange for component for identifier change
Existing MIC	Text	5		Existing MIC code for component for identifier change
Existing CUSIP	Text	10		Existing CUSIP number for component for identifier change
Existing ISIN	Text	15		Existing ISIN code for component for identifier change
Existing SEDOL	Text	10		Existing Sedol number for component for identifier change
Existing Country of Domicile	Text	5		Existing Country of Domicile for component for identifier change
Existing ICB Classification Code	Number	30, 15		Existing ICB Classification Code for component for identifier change
Existing Component Currency	Text	5		Existing Currency Code for component for identifier change

4. File Names

Note: In all file names described in this section, “yyyymmdd” refers to the date of the file and “yyyymmddhhnn” refers to the date file with “hh” represents the hour and “nn” the minutes of the file time stamp.

4.1 NYSE Powered Indices

Includes all NYSE Powered indices. BOD files have been renamed NXTD.

4.1.1 Summary Files EOD and NXTD

IDX_US_NYSEPOWERED_REF_SUMMARY_EOD_yyyyymmdd

IDX_US_NYSEPOWERED_REF_SUMMARY_NXTD_yyyyymmdd

4.1.2 Components Files EOD and NXTD

IDX_US_NYSEPOWERED_REF_COMPONENTS_EOD_yyyyymmdd

IDX_US_NYSEPOWERED_REF_COMPONENTS_NXTD_yyyyymmdd

4.1.3 Review Files

IDX_US_NYSEPOWERED_REF_REVIEWS_yyyyymmdd

4.1.4 Daily Changes Files

Intraday File: IDX_US_NYSEPOWERED_REF_DAILYCHANGES_yyyyymmddhhnn

Effective File: IDX_US_NYSEPOWERED_REF_DAILYCHANGES_EFFECTIVE_yyyyymmddhh

Summary File: IDX_US_NYSEPOWERED_REF_DAILYCHANGES_SUMMARY_yyyyymmddhh

4.2 Overview Table of File Names Per Index File Product

Table 5 provides an overview of the file names

Table 5 File Name Overview

Product	Index/Index Family	File Names
NYSE Powered Premium Package	NYSE Powered Indices	IDX_US_NYSEPOWERED_REF_SUMMARY_EOD_YYYYMMDD IDX_US_NYSEPOWERED_REF_SUMMARY_NXTD_YYYYMMDD IDX_US_NYSEPOWERED_REF_COMPONENTS_EOD_YYYYMMDD IDX_US_NYSEPOWERED_REF_COMPONENTS_NXTD_YYYYMMDD IDX_US_NYSEPOWERED_REF_REVIEWS_YYYYMMDD IDX_US_NYSEPOWERED_REF_DAILYCHANGES_YYYYMMDDHHNN IDX_US_NYSEPOWERED_REF_DAILYCHANGES_EFFECTIVE_YYYYMMDDHH IDX_US_NYSEPOWERED_REF_DAILYCHANGES_SUMMARY_YYYYMMDDHH
NYSE Powered Index Weightings	NYSE Powered Indices	IDX_US_NYSEPOWERED_REF_SUMMARY_EOD_YYYYMMDD IDX_US_NYSEPOWERED_REF_SUMMARY_NXTD_YYYYMMDD IDX_US_NYSEPOWERED_REF_COMPONENTS_EOD_YYYYMMDD IDX_US_NYSEPOWERED_REF_COMPONENTS_NXTD_YYYYMMDD IDX_US_NYSEPOWERED_REF_REVIEWS_YYYYMMDD

5. FTP Directory Structure

Note: In each of the directories described in this section, “yyyy” refers to the generation year of the file and “mm” refers to the generation month of the file.

5.1 FTP SERVER NAME

The name of the FTP server is:

<ftp2.nyxdata.com>

5.2 NYSE Powered Indices

The most-recent daily files are available on:

/IDX_US_NYSEPOWERED_REF

Historical archives (including the most-recent daily file) are available on:

/IDX_US_NYSEPOWERED_REF/IDX_US_NYSEPOWERED_REF_YYYY

/IDX_US_NYSEPOWERED_REF_YYMM

5.3 NYSE Powered Nonstandard Indices

The most-recent daily files are available on:

/IDX_US_NYSEPOWERED-NON_REF

Historical archives (including the most-recent daily file) are available on:

/IDX_US_NYSEPOWERED-NON_REF/IDX_US_NYSEPOWERED-NON_REF_YYYY

/IDX_US_NYSEPOWERED-NON_REF_YYMM

5.4 NYSE Powered Indices Daily Changes

The most-recent daily files are available on:

/IDX_US_NYSEPOWERED_REF_DAILYCHANGES

Historical archives (including the most-recent daily file) are available on:

/IDX_US_NYSEPOWERED_REF_DAILYCHANGES/IDX_US_NYSEPOWERED_REF__DAILY
CHANGES_YYYY/IDX_US_NYSEPOWERED_REF__DAILYCHANGES_YYMM

5.5 Overview Table of FTP Directory Structure Per Index File Product

Table 6 provides an overview of the file names

Table 6 File Name Overview

Product	Index/Index Family	File Names
NYSE Powered Index Weightings	NYSE Powered Indices	/IDX_US_NYSEPOWERED_REF /IDX_US_NYSEPOWERED_REF/IDX_US_NYSEPOWERED_REF_yyyy/IDX_US_NYSEPOWERED_REF_yyyymm
	NYSE Powered Nonstandard Indices	/IDX_US_NYSEPOWERED-NON_REF /IDX_US_NYSEPOWERED-NON_REF/IDX_US_NYSEPOWERED-NON_REF_yyyy/IDX_US_NYSEPOWERED-NON_REF_yyyymm
NYSE Powered Index Daily Changes	NYSE Powered Indices – Intraday File	/IDX_US_NYSEPOWERED_REF_DAILYCHANGES /IDX_US_NYSEPOWERED_REF_DAILYCHANGES/IDX_US_NYSEPOWERED_REF_DAILYCHANGES_yyyy/IDX_US_NYSEPOWERED_REF_DAILYCHANGES_yyyymm
	NYSE Powered Indices – Effective File	/IDX_US_NYSEPOWERED_REF_DAILYCHANGES /IDX_US_NYSEPOWERED_REF_DAILYCHANGES/IDX_US_NYSEPOWERED_REF_DAILYCHANGES_yyyy/IDX_US_NYSEPOWERED_REF_DAILYCHANGES_yyyymm
	NYSE Powered Indices – Summary File	/IDX_US_NYSEPOWERED_REF_DAILYCHANGES /IDX_US_NYSEPOWERED_REF_DAILYCHANGES/IDX_US_NYSEPOWERED_REF_DAILYCHANGES_yyyy/IDX_US_NYSEPOWERED_REF_DAILYCHANGES_yyyymm