

PRODUCT SPECIFICATION

FTSE RAFI Index Series
FTSE RAFI Nordic Tracker Service



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INDEX SPECIFICATION

INDEX DESCRIPTION

- The FTSE RAFI Index Series, calculated in association with Research Affiliates is a family of indices using specific fundamental factors that weights index constituents, rather than market capitalization. The weights are therefore not dependant upon price-based stock market based valuations. The FTSE RAFI Nordic Index consists of companies in Denmark, Finland, Norway and Sweden.

INDEX ATTRIBUTES

- The following index table shows the specifications of the index and the attributes.

| Index Specification | Attribute |
|----------------------------|------------------------|
| Index Names | FTSE RAFI Nordic Index |
| Base Index Date | 30 December 2005 |
| Base Index Value | 5000 |
| Base Index Currency | USD |
| Base Currency Date | 30 September 2005 |

PRODUCT SPECIFICATION

FILE RANGE

| Index Name | Index Code (Marker) |
|------------------------|---------------------|
| FTSE RAFI Nordic Index | FRND |

FILE NAME

| File Name | File Name and Extension |
|--|-------------------------|
| FTSE RAFI Nordic Tracker Service (*Where <i>ddmm</i> is effective date and month) | <i>rndtddmm.csv</i> |

FILE DDS PATH

http://data.ftse.com/rafi/rafi_nordic_tracker

SERVICE TIMING

Available 20:00 hours GMT (Greenwich Mean Time) or BST (British Summertime) as applicable.

PRODUCT SPECIFICATION

FILE CONTENT

- FTSE RAFI Nordic Tracker Service (*rndtddmm.csv*)

FTSERAFI01

| Field | Description | Example | Decimal Places | Data Type | Mandatory (Y/N) |
|--------------------------------|---|---------------|----------------|-----------|-----------------|
| Index Code | FTSE Index codes | FRND | | String | Y |
| Old Number of Constituents | Number of lines of stock included in index calculation (including secondary lines), for previous day's close market capitalisation calculation | 60 | 0 | Integer | Y |
| New Number of Constituents | Number of lines of stock included in index calculation (including secondary lines), for adjusted previous day's close market capitalisation calculation | 60 | 0 | Integer | Y |
| Previous Market Capitalisation | Previous day's closing weighted market capitalisation in local currency in millions | 581448.253201 | 6 | Float | Y |
| New Market Capitalisation | Previous day's closing weighted market capitalisation in local currency in millions, after weighting amendments effective today | 581448.253201 | 6 | Float | Y |
| Previous Divisor | Previous day's index divisor in local currency, millions | 93.645435 | 6 | Float | Y |
| New Divisor | Today's index divisor in local currency, millions | 93.645435 | 6 | Float | Y |
| XD Adjustment Value | Today's XD adjustment figure in local currency | 0.000 | 3 | Float | N |

FTSERAFI02

| Field | Description | Example | Decimal Places | Data Type | Mandatory (Y/N) |
|-------------------------------|---|---------------------------|----------------|-----------|-----------------|
| Cons Code | Constituent identifier code | C36815 | | String | N |
| Constituent Name | Name of company | Fortum | | String | N |
| SEDOL | SEDOL Security Identifier | 5579550 | | String | N |
| CUSIP | CUSIP Security Identifier where available | | | String | N |
| Country Code | Country code for Security | FIN | | String | N |
| Exchange Code | Exchange code for Security | SFH | | String | N |
| ISO Code | ISO Currency code for Security | EUR | | String | N |
| Index Marker | Codes for indexes of which security is a constituent | FRND | | String | N |
| Closing Subsector Code | FTSE RAFI Subsector identifier (4 digit code) | | | Integer | N |
| New Subsector Code | New FTSE RAFI Subsector identifier (4 digit code) | | | Integer | N |
| Price | Previous day's closing price in currency specified | 21.400000 | 6 | Float | N |
| Price Adjustment Factor | Price adjustment factor | 0.974766 | 6 | Float | N |
| Adjusted Price | Share price in currency indicated after weighting amendment | 20.860000 | 6 | Float | N |
| Previous Shares In Issue | Number of shares in issue before corporate amendment | | 0 | Integer | N |
| New Shares in Issue | Number of shares in issue after corporate amendment | | 0 | Integer | N |
| Previous Investibility Weight | Percentage of market capitalisation in issue included in the Indices at close | | 6 | Float | N |
| New Investibility Weight | New percentage of market capitalisation included in the Indices close | | 6 | Float | N |
| Previous RAFI Factor | Previous RAFI Factor applied to the market capitalisation in issue included in the Indices at close | | 6 | Float | N |
| New RAFI Factor | New RAFI Factor applied to the market capitalisation in issue included in the Indices at close | | 6 | Float | N |
| Amendment Code | Code for weighting and housekeeping amendments | CP | | String | N |
| Notes | Details, where available, on weighting amendment code | Special dividend EUR 0.54 | | String | N |

FTSERAFI03

| Field | Description | Example | Decimal Places | Data Type | Mandatory (Y/N) |
|----------------------|--|------------|----------------|------------|-----------------|
| Cons Code | Constituent identification code | C36815 | | String | N |
| Constituent Name | Name of company | Fortum | | String | N |
| SEDOL | Stock Exchange Daily Official List (SEDOL code) | 5579550 | | String | N |
| CUSIP | CUSIP Security Identifier where available | | | String | |
| Country Code | Country code for constituents | FIN | | String | N |
| Exchange Code | Exchange source code | SFH | | String | N |
| Subsector Code | Subsector identifier (4 digit code) | 7535 | | Integer | |
| Shares in Issue | Shares in Issue in Index | 871854198 | 0 | Integer | N |
| Investability Weight | % of shares in issue included in index calculation (determined either by free float rule or share capping) | 50.00% | 2 | Percentage | N |
| Ex-Dividend Date | Date the security is XD | 17/03/2006 | | Date | N |
| Dividend Amount | Dividend amount in currency indicated | 0.580000 | 6 | Float | N |
| ISO Currency Code | Currency code for dividend payment | EUR | | String | N |
| Index marker | FTSE codes for the | FRFIN | | String | N |
| XD Adjustment Value | Value for adjustment factor | 26.207 | 3 | Float | N |
| FTSE Dividend Code | FTSE code for the types of dividend payment | F | | String | N |
| FTSE Dividend Notes | Details, where available, on FTSE dividend payment | | | String | N |

FILE EXAMPLE

- **rndtdmm.csv**

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FTSE RAFI Nordic Tracker Service

FTSERAFI01

Index Code,Old Number of Constituents,New Number of Constituents,Previous Market Capitalisation,New
Market Capitalisation,Previous Divisor,New Divisor,XD Adjustment Value
FRND,60,60,581448.253201,581448.253201,93.645435,93.645435,0.000
YYYYYYYYYY

FTSERAFI02

Cons Code,Constituent Name,SEDOL,CUSIP,Country Code,Exchange Code,ISO Code,Index Marker,Closing
Subsector Code,New Subsector Code,Price,Price Adjustment Factor,Adjusted Price,Previous Shares in
Issue,New Shares in Issue,Previous Investability Weight,New Investability Weight,Previous RAFI
Factor,New RAFI Factor,Amendment Code,Notes
C36815,"Fortum",5579550,,FIN,SFH,EUR,FRND,,,21.400000,0.974766,20.860000,,,,,,CP,Special dividend
EUR 0.54
YYYYYYYYYY

FTSERAFI03

Cons Code,Constituent Name,SEDOL,CUSIP,Country Code,Exchange Code,Subsector Code,Shares in
Issue,Investability Weight,Ex-Dividend Date,Dividend Amount,ISO Currency Code,Index marker,XD
Adjustment Value,FTSE Dividend Code,FTSE Dividend Notes
C36815,"Fortum",5579550,,FIN,SFH,7535,871854198,50.00%,17/03/2006,0.580000,EUR,FRFIN,26.207,F,
YYYYYYYYYY
XXXXXXXXXX

EXCHANGE RATES FILE SPECIFICATION

An Exchange Rates file is provided free of charge with this service.

FILE NAME

| File Name | File Name and Extension |
|--------------------------|-------------------------|
| FTSE Exchange Rates File | WIXR.ddmm.csv* |

(* where *ddmm* is effective date and month)

FILE CONTENT

| Field | Description | Decimal Places |
|-------------------|---|----------------|
| Date | ddmmyyyy format | |
| ISO Currency Code | Currency code | |
| USD Exchange Rate | USD exchange rate used for calculation (WM/Reuters closing rates) | Up to 6 |

(*where *dd/mm/yyyy* is effective date, month and year)

FILE EXAMPLE

25/10/2006(C) FTSE International Limited 2006. All Rights Reserved
FTSE Exchange Rate Service

Date,ISO Currency Code,USD Exchange Rate

10/25/2006,ARS,3.091250
10/25/2006,ATS,10.931700
10/25/2006,AUD,1.315530
10/25/2006,BEF,32.047600
10/25/2006,BRL,2.153550
10/25/2006,CAD,1.125050
10/25/2006,CHF,1.265550
10/25/2006,CLP,524.050000
10/25/2006,CNY,7.902000
10/25/2006,COP,2340.750000
10/25/2006,CZK,22.541400
XXXXXXXXXX

VERSION HISTORY

Product Specification Document Version History

- Version 1.0 - Initial Product Specification - October 2006

FTSE CONTACT DETAILS

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APPENDIX A

- *FTSE Dividend Codes*

| Code | Type of Dividend | FTSE Dividend Notes |
|-------------|--------------------------|----------------------------|
| F | Final Dividend | |
| I | Interim Dividend | |
| Q | Quarter Dividend | |
| D | Final FID Dividend | |
| R | Interim FID Dividend | |
| T | Quarter FID Dividend | |
| H | Final Ord/FID Dividend | amount of FID payment |
| J | Interim Ord/FID Dividend | amount of FID payment |
| K | Quarter Ord/FID Dividend | amount of FID payment |
| S | Special Dividend | |
| M | Miscellaneous dividend | |
| Y | Annually paid dividend | |

• **FTSE Amendment Codes**

Note that housekeeping changes will appear above corporate actions in the file.

Housekeeping Changes

| CODE | FTSE Amendment Note | Notes for service user |
|------|-----------------------------|--|
| CA | Constituent Addition | Includes quarterly review changes and classification changes |
| CD | Constituent Deletion | Includes quarterly review changes and classification changes |
| NC | Name Change | Former name will appear in notes field |
| SC | SEDOL Change | Former SEDOL code will appear in notes field |
| CS | CUSIP Change | Former CUSIP code will appear in notes field |
| CU | Currency Change | Former currency will appear in notes field |
| SS | Subsector Change | Subsector Classification Code Change |
| IC | Investability weight change | Terms included in notes field, as available |
| SW | Share Weight Change | |
| MC | EPIC Change | Former EPIC code will appear in notes field |

Corporate Actions

| CODE | FTSE Amendment Note | Notes for service user |
|------|----------------------|---|
| CP | Capital Repayment | Terms included in notes field, as available |
| CI | Capitalisation Issue | Terms included in notes field, as available |
| RI | Rights Issue | Terms included in notes field, as available |
| SB | Subdivision | Terms included in notes field, as available |
| CX | Complex | |
| CN | Consolidation | Terms included in notes field, as available |
| IS | Share Change | Includes: Employee shares Exercise of Options Exercise of Warrants Further Issue Issue for Cash Offer for subscription Satisfaction of loan Merger Placing Scheme of Arrangement Vendor Consideration Buy-back Cap in lieu of dividend Company Reorganisation Conversion of shares Exchange Offer |