

PRODUCT SPECIFICATION

FTSE RAFI Index Series
FTSE RAFI Developed Mid Small 1500 Index
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.

INDEX ATTRIBUTES

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

Index Specification	Attribute
Index Name	FTSE RAFI Developed Mid Small 1500 Index
Base Index Date	19 March 2007
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 Developed Mid Small 1500 Index	FRDMS

FILE NAME

File Name	File Name and Extension
FTSE RAFI Developed Mid Small 1500 Tracker Service	rdmt <i>ddmm</i> .csv

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

FILE DDS PATH

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

SERVICE TIMING

Available 23:30 hours GMT (Greenwich Mean Time) or BST (British Summertime) as applicable.

PRODUCT SPECIFICATION

FILE CONTENT

- FTSE RAFI Developed Mid Small 1500 Tracker Service (*rdmtddmm.csv*)

FTSERAFI01

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Index Code	FTSE Index codes	FRSDEURS		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	642		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	642		Integer	Y
Previous Market Capitalisation	Previous day's closing weighted market capitalisation in USD Currency in millions	290521.880	3	Float	Y
New Market Capitalisation	Previous day's closing weighted market capitalisation in USD Currency in millions, after weighting amendments effective today	290521.880	3	Float	Y
Previous Divisor	Previous day's index divisor in USD Currency, millions	53.273147	6	Float	Y
New Divisor	Today's index divisor in USD Currency, millions	53.273147	6	Float	Y
XD Adjustment Value	Today's XD adjustment figure in USD Currency	0.057	3	Float	Y

FTSERAFI02

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons Code	Constituent identifier code	C36813		String	N
Constituent Name	Name of company	"Elisa"		String	N
SEDOL	SEDOL Security Identifier	5701513		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	FRDMS		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
Closing Price	Previous day's closing price in currency specified	22.420000	6	Float	N
Price Adjustment Factor	Price adjustment factor	0.955397	6	Float	N
Adjusted Price	Share price in currency indicated after weighting amendment	21.420000	6	Float	N
Previous Shares in Issue	Number of shares in issue before corporate amendment			Integer	N
New Shares in Issue	Number of shares in issue after corporate amendment			Integer	N
Previous Investability Weight	Percentage of market capitalisation in issue included in the Indices at close		6	Float	N
New Investability 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
Amendment Notes	Details, where available, on weighting amendment code	Capital Repayment EUR 1		String	N

FTSERAFI03

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons Code	Constituent identification code	C69975		String	N
Constituent Name	Name of company	"Del Monte Foods"		String	N
SEDOL	Stock Exchange Daily Official List (SEDOL code)	2386010		String	N
CUSIP	CUSIP Security Identifier where available	24522P103		String	
Country Code	Country code for constituents	USA		String	N
Exchange Code	Exchange source code	NAY		String	N
Subsector Code	Subsector identifier (4 digit code)	3577		string	
Shares in Issue	Shares in Issue in Index	201905898		Integer	N
Investability Weight	% of shares in issue included in index calculation (determined either by free float rule or share capping)	100.00%	2	Percentage	N
Ex-Dividend Date	Date the security is XD	16/10/2007		Date	N
Dividend Amount	Dividend amount in currency indicated	0.040000	6	Float	N
ISO Currency Code	Currency code for dividend payment	USD		String	N
Index marker	FTSE codes for the	FRDMS		String	N
XD Adjustment Value	Value for adjustment factor	0.033	3	Float	N
FTSE Dividend Code	FTSE code for the types of dividend payment	Q		String	N
FTSE Dividend Notes	Details, where available, on FTSE dividend payment			String	N

FILE EXAMPLE

- **rdmtddmm.csv**

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FTSE RAFI Developed Mid Small 1500 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
FRDMS,1450,,1311537.820,,244.636571,,0.000
YYYYYYYYYY

FTSERAFI02

Cons Code,Constituent Name,SEDOL,CUSIP,Country Code,Exchange Code,ISO Code,Index Marker,Closing
Subsector Code,New Subsector Code,Closing 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
C36813,"Elisa",5701513,,FIN,SFH,EUR,FRDMS,,,22.420000,0.955397,21.420000,,,,,CP,Capital
Repayment EUR 1
C45018,"Mvv
Energie",5631030,,GER,EDX,EUR,FRDMS,,,29.600000,0.963098,28.507692,55704000,65832000,,,,,RI,RI
2 per 11 @ EUR22.5.
C03017,"Linear Technology
Corp",2516839,535678106,USA,NAO,USD,FRDMS,,,34.580000,,,253828960,226838463,,,,,IS,
C20918,"Gateway
Inc",2380175,367626108,USA,NAY,USD,FRDMS,9572,,1.910000,,,374458600,,75.000000,,,,,CD,Constituen
t deletion
C64612,"CDW
Corporation",2159676,12512N105,USA,NAO,USD,FRDMS,9572,,87.720000,,,79171022,,75.000000,,,,,CD,C
onstituent deletion
C69922,"Jack In The
Box",2344922,466367109,USA,NAY,USD,FRDMS,,,63.540000,0.500000,31.770000,31308921,62617842,,,,
,SB,Stock Split 2 for 1
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
C69975,"Del Monte
Foods",2386010,24522P103,USA,NAY,3577,201905898,100.00%,16/10/2007,0.040000,USD,FRDMS,0.033
,Q,
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

12/01/2007(C) FTSE International Limited 2007. All Rights Reserved
FTSE Exchange Rate Service

Date,ISO Currency Code,USD Exchange Rate

01/12/2007,ARS,3.081250
01/12/2007,ATS,10.640100
01/12/2007,AUD,1.278040
01/12/2007,BEF,31.192650
01/12/2007,BRL,2.142700
01/12/2007,CAD,1.170500
01/12/2007,CHF,1.247000
01/12/2007,CLP,539.900000
01/12/2007,CNY,7.798400
01/12/2007,COP,2218.600000
01/12/2007,CZK,21.502050
XXXXXXXXXX

VERSION HISTORY

Product Specification Document Version History

- Version 1.0 - Initial Product Specification - October 2007

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