PRODUCT SPECIFICATION

FTSE RAFI Index Series
FTSE RAFI Europe Index Tracker Service

FTSE
THE INDEX COMPANY

CONTENTS

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 Names	FTSE RAFI Europe Index FTSE RAFI Eurozone Index FTSE RAFI Europe ex UK ex Switzerland Index
Base Index Date	30 December 2005
Base Index Value	5000
Base Index Currency	Euro
Base Currency Date	30 September 2005

PRODUCT SPECIFICATION

FILE RANGE

Index Name	Index Code (Marker)
FTSE RAFI Europe Index	FREU
FTSE RAFI Eurozone Index	FREZ
FTSE RAFI Europe ex UK ex Switzerland Index	FREUXKC

FILE NAME

File Name	File Name and Extension
FTSE RAFI Europe Tracker Service	raet*ddmm*.csv

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

FILE DDS PATH

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

SERVICE TIMING

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

PRODUCT SPECIFICATION

FILE CONTENT

- FTSE RAFI Europe Tracker Service *(raet*ddmm*.csv)*

FTSERAFI01

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Index Code	FTSE Index codes	FREU		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	463	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	463	0	Integer	Y
Previous Market Capitalisation	Previous day's closing weighted market capitalisation in Euro currency in millions	5760035.690560	3	Float	Y
New Market Capitalisation	Previous day's closing weighted market capitalisation in Euro currency in millions, after weighting amendments effective today	5756801.404051	3	Float	Y
Previous Divisor	Previous day's index divisor in Euro currency, millions	1061.261158	6	Float	Y
New Divisor	Today's index divisor in Euro currency, millions	1060.665255	6	Float	Y
XD Adjustment Value	Today's XD adjustment figure in Euro currency	1.420	3	Float	Y

FTSERAFI02

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons Code	Constituent identifier code	C01571		String	N
Constituent Name	Name of company	BP		String	N
SEDOL	SEDOL Security Identifier	798059		String	N
CUSIP	CUSIP Security Identifier where available			String	N
Country Code	Country code for Security	UK		String	N
Exchange Code	Exchange code for Security	EXL		String	N
ISO Code	ISO Currency code for Security	GBX		String	N
Index Marker	Codes for indexes of which security is a constituent	FREU		String	N
Closing Subsector Code	Subsector identifier (4 digit code)			Integer	N
New Subsector Code	New Subsector identifier (4 digit code)			Integer	N
Closing Price	Previous day's closing price in currency specified	688.000000	6	Float	N
Price Adjustment Factor	Price adjustment factor		6	Float	N
Adjusted Price	Share price in currency indicated after weighting amendment		6	Float	N
Previous Shares In Issue	Number of shares in issue before corporate amendment	20487605168	0	Integer	N
New Shares in Issue	Number of shares in issue after corporate amendment	20313207579	0	Integer	N
Previous Investibility 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 Indexes 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	IS		String	N
Amendment Notes	Details, where available, on weighting amendment code			String	N

FTSERAFI03

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons Code	Constituent identification code	C85650		Integer	N
Constituent Name	Name of company	Belgacom		String	N
SEDOL	Stock Exchange Daily Official List (SEDOL code)	B00D9P6		String	N
CUSIP	CUSIP Security Identifier where available			String	
Country Code	Country code for constituents	BELG		String	N
Exchange Code	Exchange source code	EBB		String	N
Subsector Code		6535		Integer	
Shares in Issue	Shares in Issue in Index	361775100	0	Integer	N
Investibility Weight	% of shares in issue included in index calculation (determined either by free float rule or share capping)		2	Percentage	N
Ex-Dividend Date	Date the security is XD	18/04/2006		Datetime	N
Dividend Amount	Dividend amount in currency indicated	1.520000	6	Float	N
ISO Currency Code	Currency code for dividend payment	EUR		String	N
Index marker	FTSE codes for the	FREUXKC		String	N
XD Adjustment Value	Value for adjustment factor	0.410	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

- **raet*ddmm*.csv**

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FTSE RAFI Europe 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
FREU,463,463,5760035.690560,5756801.404051,1061.261158,1060.665255,1.420
YYYYYYYYYY

FTSERAFI02

Cons Code,Constituent Name,SEDOL,CUSIP,Country Code,Exchange Code,ISO Code,Index Marker,Closing Sub Sector Code,New Sub Sector 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,Amendment Notes
C01571,BP,0798059,,UK,EXL,GBX,FREU,,,688.000000,,,20487605168,20313207579,,,,,IS,
YYYYYYYYYY

FTSERAFI03

Cons Code,Constituent Name,SEDOL,CUSIP,Country Code,Exchange Code,Sub Sector 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
C85650,Belgacom,B00D9P6,,BELG,EBB,6535,361775100,,18/04/2006,1.520000,EUR,FREUXKC,0.410,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

10/06/2004(C) FTSE International Limited 2004. All Rights Reserved
FTSE Exchange Rate Service

Date,ISO Currency Code,USD Exchange Rate
06/10/2004,ARS,2.960000
06/10/2004,ATS,11.379200
06/10/2004,AUD,1.433200
06/10/2004,BEF,33.359500
06/10/2004,BRL,3.110500
06/10/2004,CAD,1.358600
06/10/2004,CHF,1.247200
06/10/2004,CLP,650.550000
06/10/2004,CNY,8.276700
06/10/2004,COP,2732.475000
06/10/2004,CZK,25.916900
XXXXXXXXXX

VERSION HISTORY

Product Specification Document Version History

- Version 1.0 - Initial Product Specification - March 2006

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