

PRODUCT SPECIFICATION

FTSE RAFI Index Series
FTSE RAFI Emerging Index
Tracker Service

CONTENTS

Page 3	Index Specification
	- INDEX DESCRIPTION
	- INDEX ATTRIBUTES
Page 4-8	Product Specification
	- FILE RANGE
	- FILE NAME
	- FILE DDS PATH
	- SERVICE TIMING
	- FILE CONTENT
	- FILE EXAMPLE
Page 9	Exchange Rates File Specification
	- FILE NAME
	- FILE CONTENT
	- FILE EXAMPLE
Page 9	Version History
	- PRODUCT SPECIFICATION DOCUMENT VERSION HISTORY
Page 10	FTSE Contact Details
	- LOCAL FTSE OFFICES
	- GLOBAL SYSTEMS SUPPORT
Page 11-12	Appendix A
	- FTSE DIVIDEND CODES
	- FTSE AMENDMENT CODES

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 Emerging 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 Emerging Index	FREM

FILE NAME

File Name	File Name and Extension
FTSE RAFI Emerging Tracker Service	remt <i>ddmm</i> .csv

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

FILE DDS PATH

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

SERVICE TIMING

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

PRODUCT SPECIFICATION

FILE CONTENT

- FTSE RAFI Emerging Tracker Service (*remtddmm.csv*)

FTSERAFI01

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Index Code	FTSE Index codes	FREM		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	357		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	351		Integer	Y
Previous Market Capitalisation	Previous day's closing weighted market capitalisation in USD Currency in millions	1114435.625	3	Float	Y
New Market Capitalisation	Previous day's closing weighted market capitalisation in USD Currency in millions, after weighting amendments effective today	1118468.252	3	Float	Y
Previous Divisor	Previous day's index divisor in USD Currency, millions	185.256959	6	Float	Y
New Divisor	Today's index divisor in USD Currency, millions	185.927318	6	Float	Y
XD Adjustment Value	Today's XD adjustment figure in USD Currency	0.389	3	Float	Y

FTSERAFI02

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons Code	Constituent identifier code	C36851		String	N
Constituent Name	Name of company	"Benq"		String	N
SEDOL	SEDOL Security Identifier	6054465		String	N
CUSIP	CUSIP Security Identifier where available			String	N
Country Code	Country code for Security	TWN		String	N
Exchange Code	Exchange code for Security	FTT		String	N
ISO Code	ISO Currency code for Security	TWD		String	N
Index Marker	Codes for indexes of which security is a constituent	FREM		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	12.100000	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	2619978500		Integer	N
New Shares in Issue	Number of shares in issue after corporate amendment	2564880011		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			String	N
Notes	Details, where available, on weighting amendment code	IS		String	N

FTSERAFI03

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons Code	Constituent identification code	C02835		String	N
Constituent Name	Name of company	"Telmex L"		String	N
SEDOL	Stock Exchange Daily Official List (SEDOL code)	2881689		String	N
CUSIP	CUSIP Security Identifier where available			String	
Country Code	Country code for constituents	MEX		String	N
Exchange Code	Exchange source code	NMM		String	N
Subsector Code	Subsector identifier (4 digit code)	6535		string	
Shares in Issue	Shares in Issue in Index	11297274040		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	39251		Date	N
Dividend Amount	Dividend amount in currency indicated	0.112500	6	Float	N
ISO Currency Code	Currency code for dividend payment	MXN		String	N
Index marker	FTSE codes for the	FREM		String	N
XD Adjustment Value	Value for adjustment factor	0.634	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

- **remtddmm.csv**

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FTSE RAFI Emerging 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
FREM,357,351,1114435.625,1118468.252,185.256959,185.927318,0.389
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
C36851,"Benq",6054465,,TWN,FTT,TWD,FREM,,,12.100000,,,2619978500.0,2564880011.0,,,,,IS
C57024,Doosan,6661111,,KOR,KORX,KRW,FREM,,,150000.000000,,,23755210.0,24177511.0,,,,,IS
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
C02835,"Telmex
L",2881689,,MEX,NMM,6535,11297274040,100.00%,18/06/2007,0.112500,MXN,FREM,0.634000,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 - January 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