PRODUCT SPECIFICATION

FTSE RAFI Index Series
FTSE RAFI US 1000 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. The FTSE RAFI Index Series consists of two headline and 22 developed country market indices.

INDEX ATTRIBUTES

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

Index Specification	Attribute
Index Names	FTSE RAFI US 1000 Index
Base Index Date	30 September 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 US 1000 Index	FR10

FILE NAME

File Name	File Name and Extension
FTSE RAFI US 1000 Tracker Service	raut*ddmm*.csv

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

FILE DDS PATH

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

SERVICE TIMING

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

PRODUCT SPECIFICATION

FILE CONTENT

- FTSE RAFI US 1000 Tracker Service *(raut*ddmm*.csv)*

FTSERAFI01

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Index Code	FTSE Index codes	FR10		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	1000	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	999	0	Integer	Y
Previous Market Capitalisation	Previous day's closing weighted market capitalisation in USD Currency in millions	11215084.940	3	Float	Y
New Market Capitalisation	Previous day's closing weighted market capitalisation in USD Currency in millions, after weighting amendments effective today	11197762.852	3	Float	Y
Previous Divisor	Previous day's index divisor in USD Currency, millions	2113.033687	6	Float	Y
New Divisor	Today's index divisor in USD Currency, millions	2109.770033	6	Float	Y
XD Adjustment Value	Today's XD adjustment figure in USD Currency	0.015	3	Float	N

FTSERAFI02

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons Code	Constituent identifier code	C01890		String	N
Constituent Name	Name of company	Albertsons		String	N
SEDOL	SEDOL Security Identifier	2012467		String	N
CUSIP	CUSIP Security Identifier where available	13104104		String	N
Local Market Code	Local Market Code (Ticker) – effective September 2006	ABS		String	N
Country Code	Country code for Security	USA		String	N
Exchange Code	Exchange code for Security	NAY		String	N
ISO Code	ISO Currency code for Security	USD		String	N
Index Marker	Codes for indexes of which security is a constituent	FR10		String	N
Closing Subsector Code	FTSE RAFI Subsector identifier (4 digit code)	5337		Integer	N
New Subsector Code	New FTSE RAFI Subsector identifier (4 digit code)			Integer	N
Price	Previous day's closing price in currency specified	25.670000	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	366800500	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	100.000000	6	Float	N
New Investibility 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	2.686217	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	CD		String	N
Notes	Details, where available, on weighting amendment code	Constituent deletion		String	N

FTSERAFI03

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons Code	Constituent identification code	C70184		String	N
Constituent Name	Name of company	Legg Mason Inc		String	N
SEDOL	Stock Exchange Daily Official List (SEDOL code)	2510615		String	N
CUSIP	CUSIP Security Identifier where available	524901105		String	
Local Market Code	Local Market Code (Ticker) – effective September 2006	LM		String	N
Country Code	Country code for constituents	USA		String	N
Exchange Code	Exchange source code	NAY		String	N
Subsector Code	Subsector identifier (4 digit code)	8777		string	
Shares in Issue	Shares in Issue in Index	123852500	0	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	02/06/2006		Datetime	N
Dividend Amount	Dividend amount in currency indicated	0.180000	6	Float	N
ISO Currency Code	Currency code for dividend payment	USD		String	N
Index marker	FTSE codes for the	FR10		String	N
XD Adjustment Value	Value for adjustment factor	0.011	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

- **raut*ddmm*.csv**

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FTSE RAFI US 1000 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
FR10,1000,999,11215084.940,11197762.852,2113.033687,2109.770033,0.015
YYYYYYYYYY

FTSERAFI02

Cons Code,Constituent Name,SEDOL,CUSIP,Local Market Code,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,Amendement Notes
C01890,"Albertsons",2012467,013104104,ABS,USA,NAY,USD,FR10,5337,,25.670000,,,366800500,,100.000000,,2.686217,,CD,Constituent deletion
C02314,"Supervalu",2863610,868536103,SVU,USA,NAY,USD,FR10,,,29.750000,,,135329000,202086691,,,,,IS,
C02314,"Supervalu",2863610,868536103,SVU,USA,NAY,USD,FR10,,,,,,135329000,202086691,,,2.474976,2.622947,SW,Weighting Change
YYYYYYYYYY

FTSERAFI03

Cons Code,Constituent Name,SEDOL,CUSIP,Local Market Code,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
C70184,"Legg Mason Inc",2510615,524901105,LM,USA,NAY,8777,123852500,100.00%,02/06/2006,0.180000,USD,FR10,0.011,Q,
C70315,"UIL Holdings",2613785,902748102,UIL,USA,NAY,7535,14638610,100.00%,02/06/2006,0.720000,USD,FR10,0.005,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

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 - July 2006

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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