

PRODUCT SPECIFICATION

FTSE RAFI Index Series
FTSE RAFI Developed Asia Pacific ex Japan 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 Developed Asia Pacific ex Japan Index consists of companies in Australia, New Zealand, Hong Kong and Singapore.

INDEX ATTRIBUTES

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

Index Specification	Attribute
Index Name	FTSE RAFI Developed Asia Pacific ex Japan 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 Developed Asia Pacific ex Japan Index	FRDAPXJ

FILE NAME

File Name	File Name and Extension
FTSE RAFI Developed Asia Pacific ex Japan Tracker Service (*Where <i>ddmm</i> is effective date and month)	rapt <i>ddmm</i> .csv

FILE DDS PATH

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

SERVICE TIMING

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

PRODUCT SPECIFICATION

FILE CONTENT

- FTSE RAFI Developed Asia Pacific ex Japan Tracker Service (*rapt.ddmm.csv*)

FTSERAFI01

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Index Code	FTSE Index codes	FRDAPXJ		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	139	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	139	0	Integer	Y
Previous Market Capitalisation	Previous day's closing weighted market capitalisation in local currency in millions	1034283.818878	6	Float	Y
New Market Capitalisation	Previous day's closing weighted market capitalisation in local currency in millions, after weighting amendments effective today	1034283.818878	6	Float	Y
Previous Divisor	Previous day's index divisor in local currency, millions	175.902572	6	Float	Y
New Divisor	Today's index divisor in local currency, millions	175.902572	6	Float	Y
XD Adjustment Value	Today's XD adjustment figure in local currency	0.238	3	Float	N

FTSERAFI02

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons Code	Constituent identifier code	C00501		String	N
Constituent Name	Name of company	Cathay Pacific Airways		String	N
SEDOL	SEDOL Security Identifier	6179755		String	N
CUSIP	CUSIP Security Identifier where available			String	N
Country Code	Country code for Security			String	N
Exchange Code	Exchange code for Security	HK		String	N
ISO Code	ISO Currency code for Security	FHH		String	N
Index Marker	Codes for indexes of which security is a constituent	HKD		String	N
Closing Subsector Code	FTSE RAFI Subsector identifier (4 digit code)	FRDAPXJ		Integer	N
New Subsector Code	New FTSE RAFI Subsector identifier (4 digit code)			Integer	N
Price	Previous day's closing price in currency specified		6	Float	N
Price Adjustment Factor	Price adjustment factor	16.600000	6	Float	N
Adjusted Price	Share price in currency indicated after weighting amendment	0.980723	6	Float	N
Previous Shares in Issue	Number of shares in issue before corporate amendment	16.280000	0	Integer	N
New Shares in Issue	Number of shares in issue after corporate amendment		0	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	CP		String	N

FTSERAFI03

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons Code	Constituent identification code	C36809		String	N
Constituent Name	Name of company	BIL International		String	N
SEDOL	Stock Exchange Daily Official List (SEDOL code)	6338590		String	N
CUSIP	CUSIP Security Identifier where available			String	
Country Code	Country code for constituents	SI		String	N
Exchange Code	Exchange source code	FMS		String	N
Subsector Code	Subsector identifier (4 digit code)	5753		Integer	
Shares in Issue	Shares in Issue in Index	1368063500	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	27/10/2006		Date	N
Dividend Amount	Dividend amount in currency indicated	0.035000	6	Float	N
ISO Currency Code	Currency code for dividend payment	SGD		String	N
Index marker	FTSE codes for the	FRSGP		String	N
XD Adjustment Value	Value for adjustment factor	1.072	3	Float	N
FTSE Dividend Code	FTSE code for the types of dividend payment	A		String	N
FTSE Dividend Notes	Details, where available, on FTSE dividend payment	C36809		String	N

FILE EXAMPLE

- **raptddmm.csv**

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FTSE RAFI Developed Asia Pacific ex Japan 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
FRDAPXJ,139,139,1034283.818878,1034283.818878,175.902572,175.902572,0.238
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
C00501,"Cathay Pacific
Airways",6179755,,HK,FHH,HKD,FRDAPXJ,,,16.600000,0.980723,16.280000,,,,,,CP,Capital Repayment of
0.32 HKD
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
C36809,"BIL
International",6338590,,SI,FMS,5753,1368063500,50.00%,27/10/2006,0.035000,SGD,FRSGP,1.072,A,
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