

PRODUCT SPECIFICATION

FTSE RAFI Index Series
FTSE RAFI All-World 3000 Index
Five Day Tracker Service



CONTENTS

| | |
|------------------|--|
| Page 3 | Index Specification |
| | - INDEX DESCRIPTION |
| | - INDEX ATTRIBUTES |
| Page 4-6 | Product Specification |
| | - FILE RANGE |
| | - FILE NAME |
| | - FILE DDS PATH |
| | - SERVICE TIMING |
| | - SERVICE DESCRIPTION |
| | - FILE CONTENT |
| | - FILE EXAMPLE |
| Page 7 | Exchange Rates File Specification |
| | - FILE NAME |
| | - FILE CONTENT |
| | - FILE EXAMPLE |
| Page 7 | Version History |
| | - PRODUCT SPECIFICATION DOCUMENT VERSION HISTORY |
| Page 8 | FTSE Contact Details |
| | - LOCAL FTSE OFFICES |
| | - GLOBAL SYSTEMS SUPPORT |
| Page 9-10 | 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 Name | FTSE RAFI All-World 3000 Index |
| Base Index Date | 26 March 2008 |
| 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 All-World 3000 Index | FRAW3 |

FILE NAME

| File Name | File Name and Extension |
|---|-------------------------|
| FTSE RAFI All-World 3000 Five Day Tracker Service | rawf <i>ddmm</i> .csv |

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

FILE DDS PATH

http://data.ftse.com/rafi/rafi_aw3000_five_day_tracker

SERVICE TIMING

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

PRODUCT SPECIFICATION

FILE CONTENT

- FTSE RAFI All-World 3000 Five Day Tracker Service (*rawfddmm.csv*)

| Field | Description | Example | Decimal Places | Data Type | Mandatory (Y/N) |
|-------------------------------|---|------------|----------------|-----------|-----------------|
| Value Date | Value date of the file | 18/06/2008 | | Date | N |
| Effective Date | Date in which change data displayed will be effective | 22/06/2008 | | Date | N |
| Cons Code | Constituent identifier code | C01561 | | String | N |
| Constituent Name | Name of company | "Rexam" | | String | N |
| SEDOL | SEDOL Security Identifier | 425045 | | 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 | FRAW3 | | 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 | 497.000000 | 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 | 583100421 | | Integer | N |
| New Shares In Issue | Number of shares in issue after corporate amendment | 641901959 | | 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 | IS | | String | N |
| Notes | Details, where available, on weighting amendment code | | | String | N |

FILE EXAMPLE

- **rawfddmm.csv**

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FTSE RAFI All-World 3000 Five Day Tracker Service

Value Date,Effective Date,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
29/09/2008,02/10/2008,C84562,"Hopewell Highway Infrastructure",6665016,,HK,FHH,HKD,FRAW3,,,5.200000,0.946869,4.923719,,,,,,CP,Special Dividend: HKD 0.28
29/09/2008,01/10/2008,C72284,"HBOS",3058750,,UK,EXL,GBX,FRAW3,,,173.300000,0.974381,168.860143,5247332476,5385301135,,,,,CI,Stock Dividend: 1 for every 38.032786 held
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 <i>ddmm</i> .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

12/01/2008(C) FTSE International Limited 2008. All Rights Reserved
FTSE Exchange Rate Service

Date,ISO Currency Code,USD Exchange Rate

01/12/2008,ARS,3.081250
01/12/2008,ATS,10.640100
01/12/2008,AUD,1.278040
01/12/2008,BEF,31.192650
01/12/2008,BRL,2.142700
01/12/2008,CAD,1.170500
01/12/2008,CHF,1.247000
01/12/2008,CLP,539.900000
01/12/2008,CNY,7.798400
01/12/2008,COP,2218.600000
01/12/2008,CZK,21.502050
XXXXXXXXXX

VERSION HISTORY

Product Specification Document Version History

- Version 1.0 - Initial Product Specification - August 2008

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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 |

*indicates Corporate Action types which will not appear until one-day prior to implementation.