



# PRODUCT SPECIFICATION

FTSE EPRA/NAREIT GLOBAL REAL ESTATE INDEX SERIES  
GLOBAL INDICES  
TRACKER SERVICE



National Association of Real Estate Investment Trusts®  
*REITs: Building Dividends and Diversification*

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## INDEX SPECIFICATION

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### INDEX DESCRIPTION

The FTSE EPRA/NAREIT Global Indices form part of the FTSE EPRA/NAREIT Global Index Series. They are a series of indices which include constituents from both developed and emerging markets.

### INDEX ATTRIBUTES

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

| Index Specification   | Attribute         |
|-----------------------|-------------------|
| Index Codes and Names | See 'Index Range' |
| Base Index Currency   | EUR               |
| Base Currency Date    | 31/12/1999        |
| Start Value           | 1000              |
| Start Date            | 31/10/2008        |

## PRODUCT SPECIFICATION

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### FILE RANGE

| Index Name  | Index Code (Marker) | Local Currency |
|---|---------------------|----------------|
| FTSE EPRA/NAREIT Global Index                         | ENHG                | EUR            |
| FTSE EPRA/NAREIT Global Index Net TRI                 | RNHG                | EUR            |
| FTSE EPRA/NAREIT Global ex US Index                   | ENHE                | EUR            |
| FTSE EPRA/NAREIT Global ex US Index Net TRI           | RNHE                | EUR            |
| FTSE EPRA/NAREIT Americas Index                       | ENHA                | EUR            |
| FTSE EPRA/NAREIT Americas Index Net TRI               | RNHA                | EUR            |
| FTSE EPRA/NAREIT Asia Pacific Index                   | ENHP                | EUR            |
| FTSE EPRA/NAREIT Asia Pacific Index Net TRI           | RNHP                | EUR            |
| FTSE EPRA/NAREIT EMEA Index                           | ENHN                | EUR            |
| FTSE EPRA/NAREIT EMEA Index Net TRI                   | RNHN                | EUR            |
| FTSE EPRA/NAREIT Europe Index                         | ENHU                | EUR            |
| FTSE EPRA/NAREIT Europe Index Net TRI                 | RNHU                | EUR            |
| FTSE EPRA/NAREIT Middle East and Africa Index         | ENHM                | EUR            |
| FTSE EPRA/NAREIT Middle East and Africa Index Net TRI | RNHM                | EUR            |

### FILE NAME

| File Name                                       | File Name and Extension |
|---|-------------------------|
| FTSE EPRA/NAREIT Global Indices Tracker Service | enct <i>ddmm</i> .csv   |

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

### FILE DDS PATH

[http://data.ftse.com/data/EPRA\\_NAREIT\\_GLOBAL/tracker](http://data.ftse.com/data/EPRA_NAREIT_GLOBAL/tracker)

### SERVICE TIMING

Available 00:30 hours GMT (Greenwich Mean Time) or BST (British Summertime) as applicable.

# PRODUCT SPECIFICATION

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## FILE CONTENT - FTSE EPRA FTSE EPRA/NAREIT Global Indices Tracker Service (enctddmm.csv)

### Section 1 - Index level data

| Field                                | Description   | Example         | Decimal Places | Data Type | Mandatory (Y/N) |
|--------------------------------------|---|-----------------|----------------|-----------|-----------------|
| Index Code                           | FTSE Index codes  | ENHG            |                | 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          | 67              |                | 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 | 67              |                | Integer   | Y               |
| Previous Market Capitalisation (EUR) | Previous day's closing weighted market capitalisation in EUR Currency in millions   | 60936.416549    | 6              | Float     | Y               |
| New Market Capitalisation (EUR)      | Previous day's closing weighted market capitalisation in EUR Currency in millions, after weighting amendments effective today                           | 60936.416549    | 6              | Float     | Y               |
| Previous Divisor (EUR)               | Previous day's index divisor in EUR Currency, millions  | 47838688.225331 | 6              | Float     | Y               |
| New Divisor (EUR)                    | Today's index divisor in EUR Currency, millions   | 47838688.225331 | 6              | Float     | Y               |
| XD Adjustment Value                  | Today's XD adjustment figure in EUR Currency  | 0.000           | 3              | Float     | N               |

Section 2 - Stock level data - weighting amendments

| Field                         | Description   | Example             | Decimal Places | Data Type | Mandatory (Y/N) |
|-------------------------------|---|---------------------|----------------|-----------|-----------------|
| Cons Code                     | Constituent identifier code   | C73596              |                | String    | N               |
| Constituent Name              | Name of company   | Faberge             |                | String    | N               |
| ISIN Code                     | ISIN security Identifier  | SE0000950636        |                | String    | N               |
| SEDOL                         | SEDOL Security Identifier   | B1Y4VX4             |                | String    | N               |
| CUSIP                         | CUSIP Security Identifier where available                                     |                     |                | String    | N               |
| Country Code                  | Country code for Security   | SWED                |                | String    | N               |
| MIC Exchange Code             | Exchange code for Security  | XOME                |                | String    | N               |
| ISO Currency Code             | ISO Currency code for Security  | SEK                 |                | String    | N               |
| Index Marker                  | Codes for indexes of which security is a constituent                          | ENEE                |                | String    | N               |
| ICB Closing Subsector Code    | Subsector Code identifier (4 digit code)                                      |                     |                | Integer   | N               |
| ICB New Subsector Code        | New Subsector Code identifier (4 digit code)                                  |                     |                | Integer   | N               |
| Closing Price                 | Previous day's closing price in currency specified                            | 165.500000          | 6              | Float     | N               |
| Price Adjustment Factor       | Price adjustment factor   | 0.500000            | 6              | Float     | N               |
| Adjusted Price                | Share price in currency indicated after weighting amendment                   | 82.750000           | 6              | Float     | N               |
| Previous Shares in Issue      | Number of shares in issue before corporate amendment                          | 94297875            |                | Integer   | N               |
| New Shares in Issue           | Number of shares in issue after corporate amendment                           | 188595750           |                | 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               |
| Amendment Code                | Code for weighting and housekeeping amendments                                | SB                  |                | String    | N               |
| Amendment Notes               | Details, where available, on weighting amendment code                         | Stock Split 2 for 1 |                | String    | N               |

## Section 3 - Stock level data - Ex-dividend changes

| Field                | Description  | Example          | Decimal Places | Data Type | Mandatory (Y/N) |
|----------------------|--|------------------|----------------|-----------|-----------------|
| Cons Code            | FTSE constituent identifier  | C36113           |                | String    | N               |
| Constituent Name     | Name of company  | Big Yellow Group |                | String    | N               |
| ISIN Code            | ISIN security Identifier   | GB0002869419     |                | String    | N               |
| SEDOL                | Stock Exchange Daily Official List (SEDOL) code  | 286941           |                | String    | N               |
| CUSIP                | Constituent CUSIP code   |                  |                | String    | N               |
| Country Code         | Country code for security  | UK               |                | String    | N               |
| MIC Exchange Code    | Exchange source  | XLON             |                | String    | N               |
| Subsector Code       | Subsector identifier (4 digit code)  | 8733             |                | Integer   |                 |
| Shares in Issue      | Number of shares in issue for today's calculation  | 112947302        |                | Integer   | N               |
| Investability Weight | Percentage of shares in issue included in the indexes  | 75.00            | 2              | Float     | N               |
| Ex-Dividend Date     | Date the security is XD  | 13/06/2007       |                | Date      | N               |
| Dividend Amount      | Dividend amount used for Total Return calculation (may be net or gross) (up to 6 decimal places) | 5.500000         | 6              | Float     | N               |
| ISO Currency Code    | Currency code for dividend payment   | GBX              |                | String    | N               |
| Index Marker         | Codes for indexes of which company is a constituent  | ENEE             |                | String    | N               |
| XD Adjustment Value  | Value for XD adjustment (gross except UK which are actual values) for each related index         | 0.144            | 3              | Float     | N               |
| FTSE Dividend Code   | Dividend Code  | C                |                | String    | N               |
| FTSE Dividend Notes  | Details, where available, on dividend payments   |                  |                | String    | N               |

## FILE EXAMPLE

19/11/2008 (C) FTSE International Limited 2008. All Rights Reserved  
FTSE EPRA/NAREIT Global Indices Tracker Service

### Section 1 - Index level data

Index Code,Old Number of Constituents,New Number of Constituents,Previous Market Capitalisation (EUR),New Market Capitalisation (EUR),Previous Divisor (EUR),New Divisor (EUR),XD Adjustment Value  
ENHA,133,133,117010.850189,117010.850189,161701873.944157,161701873.944157,0.000  
YYYYYYYYYY

### Section 2 - Stock level data - weighting amendments

Cons Code,Constituent Name,ISIN Code,SEDOL,CUSIP,Country Code,MIC Exchange Code,ISO Currency Code,Index Marker,ICB Closing Subsector Code,ICB New Subsector Code,Closing Price,Price Adjustment Factor,Adjusted Price,Previous Shares in Issue,New Shares in Issue,Previous Investability Weight,New Investability Weight,Amendment Code,Amendment Notes  
YYYYYYYYYY

### Section 3 - Stock level data - Ex-dividend changes

Cons Code,Constituent Name,ISIN Code,SEDOL,CUSIP,Country Code,MIC 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  
C01659,Great Portland Estates,GB00B01FLL16,B01FLL1,,UK,XLON,8737,181019809,100.00,19/11/2008,0.040000,GBP,RNHG,0.024,C,  
YYYYYYYYYY

XXXXXXXXXX

## EXCHANGE RATES FILE SPECIFICATION

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An Exchange Rates file is provided free of charge with this service.

| File Name                | File Name and Extension |
|--------------------------|-------------------------|
| FTSE Exchange Rates File | wixrddmm.csv*           |

(\* where *ddmm* is effective date and month)

### FILE CONTENT

| Field             | Description   | Decimal Places |
|-------------------|---|----------------|
| Date              | dd/mm/yyyy 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

14/05/2007(C) FTSE International Limited 2007. All Rights Reserved  
FTSE Exchange Rate Service

Date,ISO Currency Code,USD Exchange Rate

05/14/2007,ARS,3.081250  
05/14/2007,ATS,10.163850  
05/14/2007,AUD,1.200120  
05/14/2007,BEF,29.796400  
05/14/2007,BRL,2.013500  
05/14/2007,CAD,1.107150  
05/14/2007,CHF,1.219800  
05/14/2007,CLP,518.350000  
05/14/2007,CNY,7.680300  
05/14/2007,COP,1998.300000  
05/14/2007,CZK,20.891500  
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## VERSION HISTORY

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### Product Specification Document Version History

- Version 1.0 - Initial Product Specification – Dec 2008

## FTSE CONTACT DETAILS

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For FTSE contact details please visit [http://www.ftse.com/Contact Us](http://www.ftse.com/Contact_Us)

## APPENDIX A

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### 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:<br>Employee shares<br>Exercise of Options<br>Exercise of Warrants<br>Further Issue<br>Issue for Cash<br>Offer for subscription<br>Satisfaction of loan<br>Merger<br>Placing<br>Scheme of Arrangement<br>Vendor Consideration<br>Buy-back<br>Cap in lieu of dividend<br>Company Reorganisation<br>Conversion of shares<br>Exchange Offer |

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