



## PRODUCT SPECIFICATION

FTSE EPRA/NAREIT GLOBAL REAL ESTATE INDEX SERIES  
DEVELOPED MARKET INDICES  
FTSE EPRA/NAREIT REITs and Non-REITs  
Tracker Service



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

## CONTENTS

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Page 3	<b>Index Specification</b>
	- INDEX DESCRIPTION
	- INDEX ATTRIBUTES
Page 4 – 9	<b>Product Specification</b>
	- FILE RANGE
	- FILE NAME
	- FILE DDS PATH
	- SERVICE TIMING
	- FILE CONTENT
	- FILE EXAMPLE
Page 10	<b>Exchange Rates File Specification</b>
	- FILE NAME
	- FILE CONTENT
	- FILE EXAMPLE
Page 10	<b>Version History</b>
	- PRODUCT SPECIFICATION DOCUMENT VERSION HISTORY
Page 11	<b>FTSE Contact Details</b>
Appendix A	<b>FTSE Reference Codes</b>
	- FTSE INDEX CODES

# INDEX SPECIFICATION

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## INDEX DESCRIPTION

- The FTSE EPRA/NAREIT Index Series REITs and Non-REITs are a sub-set of the FTSE EPRA/NAREIT Global Series that launched in February 2005. The REITs and Non-REITs Index Series will give investors the capability to view each constituent's classification within the EPRA/NAREIT universe according to REIT legislation. The FTSE EPRA/NAREIT Index Series REITs and Non-REITs will consist of 5 of the key indices split in to both REITs and Non-REITs indices plus 22 individual countries split into both REITs and Non-REITs indices, giving a total of 54 individual indices. The series will be provided as end of day products.

## INDEX ATTRIBUTES

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

Index Specification	Attribute
Index Codes (Markers)	ERGL, ERXA, ERXE, ERXU, ERAS, ENRG, ENXA, ENXE, ENXU, ENAS, ENAUR, ENAUNR, ENASR, ENASNR, ENBLR, ENCAR, ENCANR, ENDKR, ENDKNR, ENFIR, ENFINR, ENFRR, ENFRNR, ENGRR, ENGRNR, ENGCR, ENGCNR, ENHKR, ENHKNR, ENIRR, ENIRNR, ENITR, ENITNR, ENJPR, ENJPNR, ENNLR, ENNLNR, ENNZR, ENNZNR, ENNKR, ENNKNR, ENPTR, ENPTNR, ENSIR, ENSINR, ENSPR, ENSPNR, ENSDR, ENSDNR, ENSWR, ENSWNR, ENUSR, ENUSNR
Base Index Date	10/03/2006
Base Index Value	1000
Base Index Currency	Local

# PRODUCT SPECIFICATION

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## FILE RANGE

Index Name	Index Code (Marker)
FTSE EPRA/NAREIT Developed REITs Index	ERGL
FTSE EPRA/NAREIT Developed ex Asia REITs Index	ERXA
FTSE EPRA/NAREIT Developed ex Europe REITs Index	ERXE
FTSE EPRA/NAREIT Developed ex US REITs Index	ERXU
FTSE EPRA/NAREIT Developed Asia REITs Index	ERAS
FTSE EPRA/NAREIT Developed Non-REITs Index	ENRG
FTSE EPRA/NAREIT Developed ex Asia Non-REITs Index	ENXA
FTSE EPRA/NAREIT Developed ex Europe Non-REITs Index	ENXE
FTSE EPRA/NAREIT Developed ex US Non-REITs Index	ENXU
FTSE EPRA/NAREIT Developed Asia Non-REITs Index	ENAS
FTSE EPRA/NAREIT Australia REITs Index	ENAU
FTSE EPRA/NAREIT Australia Non-REITs Index	ENAU
FTSE EPRA/NAREIT Austria REITs Index	ENAS
FTSE EPRA/NAREIT Austria Non-REITs Index	ENAS
FTSE EPRA/NAREIT Belgium/Luxembourg REITs Index	ENBL
FTSE EPRA/NAREIT Belgium/Luxembourg Non-REITs Index	ENBL
FTSE EPRA/NAREIT Canada REITs Index	ENCA
FTSE EPRA/NAREIT Canada Non-REITs Index	ENCA
FTSE EPRA/NAREIT Denmark REITs Index	ENDK
FTSE EPRA/NAREIT Denmark Non-REITs Index	ENDK
FTSE EPRA/NAREIT Finland REITs Index	ENFI
FTSE EPRA/NAREIT Finland Non-REITs Index	ENFI
FTSE EPRA/NAREIT France REITs Index	ENFR
FTSE EPRA/NAREIT France Non-REITs Index	ENFR
FTSE EPRA/NAREIT Germany REITs Index	ENGR
FTSE EPRA/NAREIT Germany Non-REITs Index	ENGR
FTSE EPRA/NAREIT Greece REITs Index	ENGC
FTSE EPRA/NAREIT Greece Non-REITs Index	ENGC
FTSE EPRA/NAREIT Hong Kong REITs Index	ENHK
FTSE EPRA/NAREIT Hong Kong Non-REITs Index	ENHK
FTSE EPRA/NAREIT Ireland REITs Index	ENIR
FTSE EPRA/NAREIT Ireland Non-REITs Index	ENIR
FTSE EPRA/NAREIT Italy REITs Index	ENIT
FTSE EPRA/NAREIT Italy Non-REITs Index	ENIT
FTSE EPRA/NAREIT Japan REITs Index	ENJP
FTSE EPRA/NAREIT Japan Non-REITs Index	ENJP
FTSE EPRA/NAREIT Netherlands REITs Index	ENNL
FTSE EPRA/NAREIT Netherlands Non-REITs Index	ENNL
FTSE EPRA/NAREIT New Zealand REITs Index	ENNZ
FTSE EPRA/NAREIT New Zealand Non-REITs Index	ENNZ
FTSE EPRA/NAREIT Norway REITs Index	ENNR
FTSE EPRA/NAREIT Norway Non-REITs Index	ENNR
FTSE EPRA/NAREIT Portugal REITs Index	ENPT
FTSE EPRA/NAREIT Portugal Non-REITs Index	ENPT
FTSE EPRA/NAREIT Singapore REITs Index	ENS
FTSE EPRA/NAREIT Singapore Non-REITs Index	ENS
FTSE EPRA/NAREIT Spain REITs Index	ENSP
FTSE EPRA/NAREIT Spain Non-REITs Index	ENSP

FTSE EPRA/NAREIT Sweden REITs Index	ENSDR
FTSE EPRA/NAREIT Sweden Non-REITs Index	ENSDNR
FTSE EPRA/NAREIT Switzerland REITs Index	ENSWR
FTSE EPRA/NAREIT Switzerland Non-REITs Index	ENSWNR
FTSE EPRA/NAREIT United States REITs Index	ENUSR
FTSE EPRA/NAREIT United States Non-REITs Index	ENUSNR

## FILE NAME

File Name	File Name & Extension
FTSE EPRA NAREIT Index Series REITs and Non-REITs Tracker Service	<i>erntddmm.csv</i>

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

## DDS FILE PATH

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

## SERVICE TIMING

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

## PRODUCT SPECIFICATION

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### FILE CONTENT - FTSE EPRA NAREIT REITs and Non-REITs Tracker Service (erntddmm.csv)

#### Section 1 - Index level data

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Index Code	FTSE Index codes	ERGL		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	Fabege		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
ISO 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 Indexes 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
ISO 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

- erntddmm.csv

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FTSE EPRA NAREIT REITs and Non-REITs 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  
ENAS,40,40,137106.192002,140701.705021,111212769.734352,114129246.048258,0.100  
YYYYYYYYYY

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

Cons Code,Constituent Name,ISIN Code,SEDOL,CUSIP,ISO 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  
C33812,CLS Holdings,GB0001592475,0159247,,UK,XLON,GBX,ENRG ENXA  
ENXU,,,518.500000,,,72604668,70541736,,,IS,  
YYYYYYYYYY

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

Cons Code,Constituent Name,ISIN Code,SEDOL,CUSIP,ISO 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  
C34387,Mirvac  
Group,AU000000MGR9,6161978,,AU,XASX,8737,1014502219,100.00,24/09/2007,0.082250,AUD,ERAS,0.5  
82,I,  
YYYYYYYYYY

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## 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	wixr <i>ddmm</i> .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  
XXXXXXXXXX

## VERSION HISTORY

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### Product Specification Document Version History

- Version 1.0 - Initial Product Specification – September 2007
- Version 1.1 - Name changes – March 2009

## 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**

#### **Housekeeping Changes**

<b>CODE</b>	<b>FTSE Amendment Note</b>	<b>Notes for service user</b>
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**

<b>CODE</b>	<b>FTSE Amendment Note</b>	<b>Notes for service user</b>
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.