



PRODUCT SPECIFICATION

FTSE EPRA/NAREIT GLOBAL REAL ESTATE INDEX SERIES
DEVELOPED MARKETS INDICES
OPEN CONSTITUENT SERVICE



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

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PRODUCT SPECIFICATION

FILE RANGE

Index Name	Index Code (Marker)	Local Currency
FTSE EPRA/NAREIT Developed Asia Index	EGAS	EUR
FTSE EPRA/NAREIT Australia Index	ELAU	AUD
FTSE EPRA/NAREIT Austria Index	EPAS	EUR
FTSE EPRA/NAREIT Belgium Index	EPBL	EUR
FTSE EPRA/NAREIT Canada Index	ELCA	CAD
FTSE EPRA/NAREIT Denmark Index	ELDK	DKK
FTSE EPRA/NAREIT Euro Zone Index	EPEU	EUR
FTSE EPRA/NAREIT Developed Europe (UK Restricted) Index	EPHG	EUR
FTSE EPRA/NAREIT Developed Europe Ex UK Index	EXUK	EUR
FTSE EPRA/NAREIT Developed Europe Index	EPRA	EUR
FTSE EPRA/NAREIT Developed EMEA Index	EEUI	EUR
FTSE EPRA/NAREIT Developed Europe Liquid 40 Ex UK Index	SSXU	EUR
FTSE EPRA/NAREIT Developed Europe Liquid 40 Index	SSEL	EUR
FTSE EPRA/NAREIT Finland Index	EPFI	EUR
FTSE EPRA/NAREIT France Index	EPFR	EUR
FTSE EPRA/NAREIT Germany Index	EPGR	EUR
FTSE EPRA/NAREIT Developed Ex Asia Index	EGXA	EUR
FTSE EPRA/NAREIT Developed Ex Europe Index	EGXE	EUR
FTSE EPRA/NAREIT Developed Ex North America Index	EGXN	EUR
FTSE EPRA/NAREIT Developed Index	ENGL	EUR
FTSE EPRA/NAREIT Greece Index	EPGC	EUR
FTSE EPRA/NAREIT Hong Kong Index	ELHK	HKD
FTSE EPRA/NAREIT Ireland Index	EPIR	EUR
FTSE EPRA/NAREIT Israel Index	EPIS	ILS
FTSE EPRA/NAREIT Italy Index	EPIT	EUR
FTSE EPRA/NAREIT Japan Index	ELJP	JPY
FTSE EPRA/NAREIT Luxembourg Index	EPLU	EUR
FTSE EPRA/NAREIT Netherlands Index	EPNL	EUR
FTSE EPRA/NAREIT New Zealand Index	ELNZ	NZD
FTSE EPRA/NAREIT North America Index	EGNA	EUR
FTSE EPRA/NAREIT Norway Index	ELNK	NOK
FTSE EPRA/NAREIT Portugal Index	EPPT	EUR
FTSE EPRA/NAREIT Developed Pure Asia Index	EGPA	EUR
FTSE EPRA/NAREIT Developed Pure Australia Index	LPAU	AUD
FTSE EPRA/NAREIT Singapore Index	ELSI	SGD
FTSE EPRA/NAREIT Spain Index	EPSP	EUR
FTSE EPRA/NAREIT Sweden Index	ELSD	SEK
FTSE EPRA/NAREIT Switzerland Index	ELSW	CHF
FTSE EPRA/NAREIT UK Index	ELUK	GBP
FTSE EPRA/NAREIT United States Index	UNUS	USD
FTSE EPRA/NAREIT Developed Europe Ex UK Dividend+ Index	ENDP	EUR
FTSE EPRA/NAREIT Developed ex US Index	EGXU	USD
FTSE EPRA/NAREIT Developed ex Japan Index	EGXJ	EUR
FTSE EPRA/NAREIT Developed Asia ex Australia Index	EPAA	EUR
FTSE EPRA/NAREIT Developed Middle East and Africa Index	ENDM	EUR
FTSE EPRA/NAREIT Developed ex Middle East and Africa Index	ENDEM	EUR

FTSE EPRA/NAREIT Developed Asia Index Net TRI	RGAS	EUR
FTSE EPRA/NAREIT Australia Index Net TRI	RLAU	AUD
FTSE EPRA/NAREIT Austria Index Net TRI	RPAS	EUR
FTSE EPRA/NAREIT Belgium Index Net TRI	RPBL	EUR
FTSE EPRA/NAREIT Canada Index Net TRI	RLCA	CAD
FTSE EPRA/NAREIT Denmark Index Net TRI	RLDK	DKK
FTSE EPRA/NAREIT Euro Zone Index Net TRI	RPEU	EUR
FTSE EPRA/NAREIT Developed Europe (UK Restricted) Index Net TRI	RPHG	EUR
FTSE EPRA/NAREIT Developed Europe Ex UK Index Net TRI	RXUK	EUR
FTSE EPRA/NAREIT Developed Europe Index Net TRI	RPRA	EUR
FTSE EPRA/NAREIT Developed EMEA Index Net TRI	REUI	EUR
FTSE EPRA/NAREIT Developed Europe Liquid 40 Ex UK Index Net TRI	RSXU	EUR
FTSE EPRA/NAREIT Developed Europe Liquid 40 Index Net TRI	RSSL	EUR
FTSE EPRA/NAREIT Finland Index Net TRI	RPFI	EUR
FTSE EPRA/NAREIT France Index Net TRI	RPFR	EUR
FTSE EPRA/NAREIT Germany Index Net TRI	RPGR	EUR
FTSE EPRA/NAREIT Developed Ex Asia Index Net TRI	RGXA	EUR
FTSE EPRA/NAREIT Developed Ex Europe Index Net TRI	RGXE	EUR
FTSE EPRA/NAREIT Developed Ex North America Index Net TRI	RGXN	EUR
FTSE EPRA/NAREIT Developed Index Net TRI	RNGL	EUR
FTSE EPRA/NAREIT Greece Index Net TRI	RPGC	EUR
FTSE EPRA/NAREIT Hong Kong Index Net TRI	RLHK	HKD
FTSE EPRA/NAREIT Ireland Index Net TRI	RPIR	EUR
FTSE EPRA/NAREIT Israel Index Net TRI	RPIS	ILS
FTSE EPRA/NAREIT Italy Index Net TRI	RPIT	EUR
FTSE EPRA/NAREIT Japan Index Net TRI	RLJP	JPY
FTSE EPRA/NAREIT Luxembourg Index Net TRI	RPLU	EUR
FTSE EPRA/NAREIT Netherlands Index Net TRI	RPNL	EUR
FTSE EPRA/NAREIT New Zealand Index Net TRI	RLNZ	NZD
FTSE EPRA/NAREIT North America Index Net TRI	RGNA	EUR
FTSE EPRA/NAREIT Norway Index Net TRI	RLNK	NOK
FTSE EPRA/NAREIT Portugal Index Net TRI	RPPT	EUR
FTSE EPRA/NAREIT Developed Pure Asia Index Net TRI	RGPA	EUR
FTSE EPRA/NAREIT Developed Pure Australia Index Net TRI	RPAU	AUD
FTSE EPRA/NAREIT Singapore Index Net TRI	RLSI	SGD
FTSE EPRA/NAREIT Spain Index Net TRI	RPSP	EUR
FTSE EPRA/NAREIT South Korea Index Net TRI	RPKR	KRW
FTSE EPRA/NAREIT Sweden Index Net TRI	RLSD	SEK
FTSE EPRA/NAREIT Switzerland Index Net TRI	RLSW	CHF
FTSE EPRA/NAREIT UK Index Net TRI	RPUK	GBP
FTSE EPRA/NAREIT United States Index Net TRI	RNUS	USD
FTSE EPRA/NAREIT Developed ex US Index Net TRI	RGXU	USD
FTSE EPRA/NAREIT Developed ex Japan Index Net TRI	RGXJ	EUR
FTSE EPRA/NAREIT Developed Asia ex Australia Index Net TRI	RPAA	EUR
FTSE EPRA/NAREIT Developed Middle East and Africa Index Net TRI	RNDM	EUR
FTSE EPRA/NAREIT Developed ex Middle East and Africa Index Net TRI	RNDEM	EUR
FTSE EPRA/NAREIT Dividend+ Index		
FTSE EPRA/NAREIT Developed Europe Ex UK Dividend+ Index	ENDP	EUR

FILE NAME

File Name	File Name and Extension
FTSE EPRA/NAREIT Index Global Real Estate Index Series	ENGO <i>ddmm</i> .csv
FTSE EPRA/NAREIT Europe (UK restricted) Constituent File	eph <i>o</i> <i>ddmm</i> .csv
FTSE EPRA/NAREIT Europe ex UK Dividend+ Constituent File	endo <i>ddmm</i> .csv

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

FILE DDS PATH

http://data.ftse.com/data/EPRA_NAREIT/opening_cons

http://data.ftse.com/data/EPRA_Div/Open_cons

SERVICE TIMING

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

PRODUCT SPECIFICATION

FILE CONTENT – FTSE EPRA/NAREIT Open Constituent File (ENGOddmm.csv)

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons code	Constituent identification code	C00043		String	Y
ISIN CODE	Constituent ISIN code	AU000000GPT8		String	Y
SEDOL	Constituent SEDOL code	6365866		String	Y
CUSIP	CUSIP code			String	N
Constituent name	Name of index constituent	"GPT Group"		String	Y
Country Code	ISO country code for constituent	AU		String	Y
ISO Currency code	ISO currency code for constituent	AUD		String	Y
MIC Exchange code	Exchange code for Security	XASX		String	Y
Price	Closing price in local currency	5.360000	6	Float	Y
Shares in Issue	Number of shares in index	2041531000		Integer	Y
Weighting	Percentage of market capitalisation included in the indices	100.000000%	6	Percentage	Y
Industry Code	FTSE ICB Industry identifier (4 digit code)	8000		Integer	Y
Supersector Code	FTSE ICB Supersector identifier (4 digit code)	8700		Integer	Y
Sector Code	FTSE ICB Sector identifier (4 digit code)	8730		Integer	Y
Subsector Code	FTSE ICB Subsector identifier (4 digit code)	8737		Integer	Y
Gross Dividend Yield	Dividend Yield (%)	5.06%	2	Percentage	Y
Mkt Cap (EUR) before investibility weight	Market Capitalisation in EUR millions at index close before applying investibility weight restraint factor	6519.154039	6	Float	Y
Mkt Cap (EUR) after investibility weight	Market Capitalisation in EUR millions at index close after applying investibility weight restraint factor	6519.154039	6	Float	N
% Wt FTSE EPRA/NAREIT Global Real-Estate Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT Global Ex Asia Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT Ex Europe Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT Ex North America Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT Europe Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT Euro Zone Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT Europe (Uk Restricted) Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT Europe Ex Uk Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT Europe Liquid 40 Ex Uk Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT Europe Liquid 40 Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT Asia Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT Pure Asia Index	Intentionally Left Blank		6	Percentage	N
% Wt FTSE EPRA/NAREIT North America Index	Intentionally Left Blank		6	Percentage	N
%WT Country	Percentage with 6 dp or Blank if N/A	8.337998%	6	Percentage	N
Index Marker	Display all index codes for relevant index membership.	EGAS EGPA EGXE EGXN EGXU ELAU			N

FILE EXAMPLE

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FTSE EPRA/NAREIT Open Constituent File

Cons code,ISIN CODE,SEDOL,CUSIP,Constituent name,Country Code,ISO Currency code,MIC Exchange
code,Price,Shares in Issue,Weighting,Industry Code,Supersector Code,Sector Code,Subsector Code,Gross Dividend
Yield,Mkt Cap (EUR) before investibility weight,Mkt Cap (EUR) after investibility weight,% Wt FTSE EPRA/NAREIT
Global Real-Estate Index,% Wt FTSE EPRA/NAREIT Global Ex Asia Index,% Wt FTSE EPRA/NAREIT Ex Europe
Index,% Wt FTSE EPRA/NAREIT Ex North America Index,% Wt FTSE EPRA/NAREIT Europe Index,% Wt FTSE
EPRA/NAREIT Euro Zone Index,% Wt FTSE EPRA/NAREIT Europe (Uk Restricted) Index,% Wt FTSE EPRA/NAREIT
Europe Ex Uk Index,% Wt FTSE EPRA/NAREIT Europe Liquid 40 Ex Uk Index,% Wt FTSE EPRA/NAREIT Europe
Liquid 40 Index,% Wt FTSE EPRA/NAREIT Asia Index,% Wt FTSE EPRA/NAREIT Pure Asia Index,% Wt FTSE
EPRA/NAREIT North America Index,%WT Country,Index Marker
C00043,AU000000GPT8,6365866,,,"GPT
Group",AU,AUD,XASX,5.360000,2041531000,100.000000%,8000,8700,8730,8737,5.06%,6519.154039,6519.154039
,,,,,,8.337998%,EGAS EGPA EGXE EGXN EGXU ELAU ENGL LPAU
XXXXXXXXXX

FILE CONTENT - FTSE EPRA/NAREIT Europe (UK Restricted) Opening Constituents File (ephoddm.csv)

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons code	Constituent identification code	44601		String	Y
ISIN CODE	Constituent ISIN code	FR0000064602		String	Y
SEDOL	Constituent SEDOL code	7128961		String	Y
CUSIP	CUSIP code			String	N
Constituent name	Name of index constituent	"Acanthe Developpement"		String	Y
ISO Country Code	ISO country code for constituent	FRA		String	Y
ISO Currency Code	ISO currency code for constituent	EUR		String	Y
MIC Exchange code	Exchange code for Security	XPAR		String	Y
Price	Closing price in local currency	3.360000	6	Float	Y
Shares in Issue	Number of shares in index	79563693		Integer	Y
Weighting	Percentage of market capitalisation included in the indices	50.000000%	6	Percentage	Y
Industry Code	FTSE ICB Industry identifier (4 digit code)	8000		Integer	Y
Supersector Code	FTSE ICB Supersector identifier (4 digit code)	8700		Integer	Y
Sector Code	FTSE ICB Sector identifier (4 digit code)	8730		Integer	Y
Subsector Code	FTSE ICB Subsector identifier (4 digit code)	8737		Integer	Y
Gross Dividend Yield	Dividend Yield (%)	3.87%	2	Percentage	Y
Mkt Cap (EUR) before investibility weight	Market Capitalisation in EUR millions at index close before applying investibility weight restraint factor	267.334008	6	Float	Y
Mkt Cap (EUR) after investibility weight	Market Capitalisation in EUR millions at index close after applying investibility weight restraint factor	133.667004	6	Float	N
% Wt FTSE EPRA/NAREIT Europe (Uk Restricted) Index	Intentionally Left Blank		6	Percentage	N

FILE EXAMPLE

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 FTSE EPRA/NAREIT Europe (UK Restricted) Opening Constituents File

Cons Code,ISIN CODE,SEDOL,CUSIP,Constituent name,Country Code,ISO Currency code,MIC Exchange code,Price,Shares in Issue,Weighting,Industry Code,Supersector Code,Sector Code,Subsector Code,Gross Dividend Yield,Mkt Cap (EUR) before investibility weight,Mkt Cap (EUR) after investibility weight,% Wt FTSE EPRA/NAREIT (UK Restricted) Index
 44601,FR0000064602,7128961,,"Acanthe Developpement",FRA,EUR,XPAR,3.360000,79563693,50.000000%,8000,8700,8730,8737,3.87%,267.334008,133.667004,
 XXXXXXXXXXX

FILE CONTENT - FTSE EPRA/NAREIT Europe ex UK Dividend+ Open Constituents (endoddm.csv)

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Cons Code	Constituent identification code	C40892		String	Y
ISIN CODE	Constituent ISIN code	BE0003678894		String	Y
SEDOL	Constituent SEDOL code	4082628		String	Y
CUSIP	CUSIP code			String	N
Constituent Name	Name of index constituent	Befimmo (Sicafi)		String	Y
Country Code	ISO country code for constituent	BELG		String	Y
ISO Currency code	ISO currency code for constituent	EUR		String	Y
MIC Exchange Code	Exchange code for Security	BE		String	Y
Price	Closing price in local currency	91.000000	6	Float	Y
Shares in Issue	Number of shares in index	9794227		Integer	Y
Weighting	Percentage of market capitalisation included in the indices	100.000000%	6	Percentage	Y
Industry Code	FTSE ICB Industry identifier (4 digit code)	8000		Integer	Y
Sector Code	FTSE ICB Sector identifier (4 digit code)	8730		Integer	Y
Subsector Code	FTSE ICB Subsector identifier (4 digit code)	8737		Integer	Y
Gross Dividend Yield	Dividend Yield (%)	5.41	2	Float	Y
Mkt Cap (EUR) before investibility weight	Market Capitalisation in EUR millions at index close before applying investibility weight restraint factor	891.274657	6	Float	Y
Mkt Cap (EUR) after investibility weight	Market Capitalisation in EUR millions at index close after applying investibility weight restraint factor	891.274657	6	Float	N
% Wt FTSE EPRA/NAREIT Europe Ex UK Dividend+ Index	Intentionally Left Blank		6	Percentage	N
Index Marker	Display all index codes for relevant index membership.	ENDP		String	N
Supersector Code	FTSE ICB Supersector identifier (4 digit code)	8700		Integer	Y

FILE EXAMPLE

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 FTSE EPRA/NAREIT Europe ex UK Dividend+ Open Constituents

Cons Code,ISIN CODE,SEDOL,CUSIP,Constituent Name,Country Code,ISO Currency code,MIC Exchange Code,Price,Shares in Issue,Weighting,Industry Code,Sector Code,Subsector Code,Gross Dividend Yield,Mkt Cap (EUR) before investibility weight,Mkt Cap (EUR) after investibility weight,% Wt FTSE EPRA/NAREIT Europe Ex UK Dividend+ Index,Index Marker,Supersector Code
 C40892,BE0003678894,4082628,,Befimmo
 (Sicafi),BELG,EUR,BE,91.000000,9794227,100.000000%,8000,8730,"8737",5.41,891.274657,891.274657,,ENDP,8700
 XXXXXXXXXXX

EXCHANGE RATES FILE SPECIFICATION

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	ddmmyyyy format	
ISO Currency Code	Currency code	
USD Exchange Rate	USD exchange rate used for calculation (WM/Reuters closing rates)	Up to 6

(*where *ddmmyyyy* is effective date, month and year)

FILE EXAMPLE

15/11/2006(C) FTSE International Limited 2006. All Rights Reserved
FTSE Exchange Rate Service

Date,ISO Currency Code,USD Exchange Rate

11/15/2006,ARS,3.068750
11/15/2006,ATS,10.743950
11/15/2006,AUD,1.306930
11/15/2006,BEF,31.497100
11/15/2006,BRL,2.150000
11/15/2006,CAD,1.141050
11/15/2006,CHF,1.247550
11/15/2006,CLP,528.600000
11/15/2006,CNY,7.868700
11/15/2006,COP,2272.800000
11/15/2006,CZK,21.924650
XXXXXXXXXX

VERSION HISTORY

Product Specification Document Version History

- Version 1.8 - Renaming and Israel indices – March 2009

FTSE CONTACT DETAILS

For FTSE contact details please visit http://www.ftse.com/Contact_Us