

# FTSE CURRENCY FORWARD RATE BIAS INDEX SERIES – THE FRB10 INDICES

## Developed with Record Currency Management

The currency forward rate bias (FRB) is the observed tendency of higher interest rate currencies to outperform lower interest rate currencies. This can be identified over a given time period as the higher interest rate currency's appreciation over and above the extent expected from currency forward contract pricing. Hence, this outperformance can be captured through a series of forward contracts.

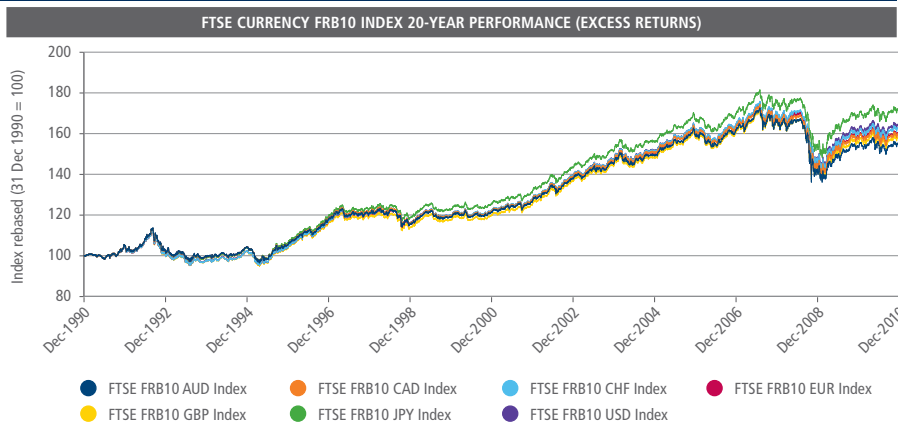
Research by Record Currency Management, a leading currency investment manager, has demonstrated that the forward rate bias is a fundamental and sustainable return stream. With a low long-term correlation to other asset classes such as equities and bonds, it is driven by macroeconomic imbalances between economies and sustained by governmental sovereignty over short term interest rates. It can therefore be seen as an "alternative beta".

The new FRB10 Indices introduce a further five currencies (Canadian Dollar, Australian Dollar, New Zealand Dollar, Swedish Krone, Norwegian Krona) to the five currencies already featured in the FRB5 Indices.

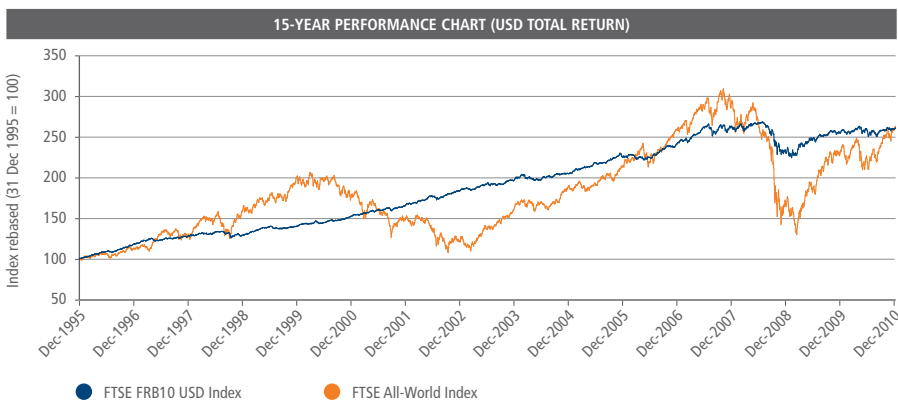
## FEATURES

- The FRB10 Indices represent the return generated from investing, on an equally weighted basis, in all 45 currency pairs that can be derived from the following ten currencies: AUD, CAD, CHF, EUR, GBP, JPY, NOK, NZD, SEK and USD
- The indices provide investors with access to a comprehensive set of 'G10' developed market currencies
- Each month, the higher interest rate currency of each pair is bought against the lower using one-month forward contracts. Contracts are rolled at maturity or reversed if the direction of the rate differential has reversed. Interest rate differentials are indicated by forward contract pricing
- All 45 positions are re-balanced monthly to maintain equal weighting
- FX deals are fully costed, so the index is investable
- Excess return and total return index values are calculated daily
- The FRB10 indices are denominated in AUD, CAD, CHF, EUR, GBP, JPY, USD and a product file is available in each currency
- An index methodology and calculation example are freely available to the public for all FTSE forex indices

## HISTORICAL INDEX PERFORMANCE

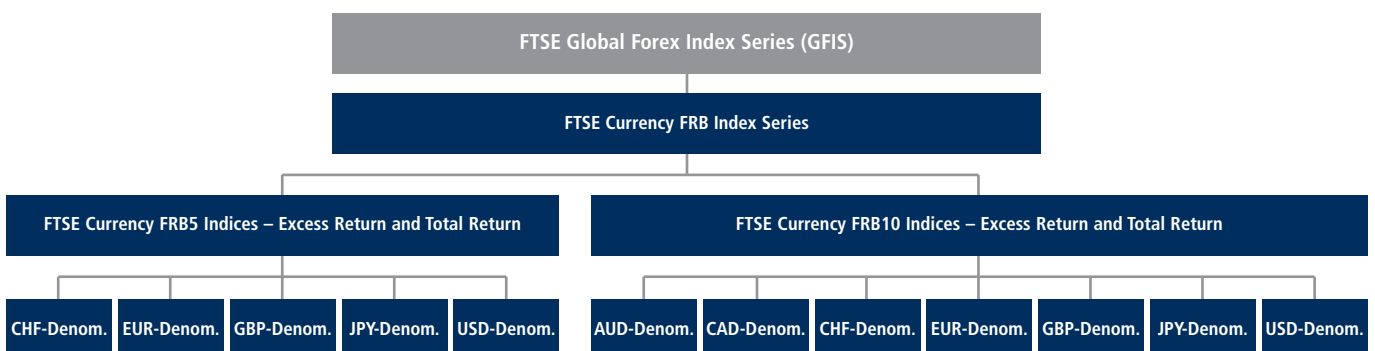


SOURCE: FTSE Group, data as at 31 December 2010



SOURCE: FTSE Group, data as at 31 December 2010

## FAMILY TREE



FRB 10 indices are only denominated in seven out of the 10 currencies included in the indices.

## FRB10 INDEX CONSTITUENT CURRENCY PAIRS

Currency Pair	Long	Currency Pair	Long	Currency Pair	Long
1 AUDCAD	AUD	16 EURCAD	CAD	31 GBPUSD	GBP
2 AUDCHF	AUD	17 EURCHF	EUR	32 NOKJPY	NOK
3 AUDJPY	AUD	18 EURGBP	GBP	33 NOKSEK	NOK
4 AUDNOK	AUD	19 EURJPY	EUR	34 NZDCAD	NZD
5 AUDNZD	AUD	20 EURNOK	NOK	35 NZDCHF	NZD
6 AUDSEK	AUD	21 EURNZD	NZD	36 NZDJPY	NZD
7 AUDUSD	AUD	22 EURSEK	SEK	37 NZDNOK	NZD
8 CADCHF	CAD	23 EURUSD	EUR	38 NZDSEK	NZD
9 CADJPY	CAD	24 GBPAUD	AUD	39 NZDUSD	NZD
10 CADNOK	NOK	25 GBPCAD	CAD	40 SEKJPY	SEK
11 CADSEK	SEK	26 GBPCHF	GBP	41 USDCAD	CAD
12 CHFJPY	JPY	27 GBPJPY	GBP	42 USDCHF	USD
13 CHFNOK	NOK	28 GBPNOK	NOK	43 USDJPY	USD
14 CHFSEK	SEK	29 GBP NZD	NZD	44 USDNOK	NOK
15 EURAUD	AUD	30 GBPSEK	SEK	45 USDSEK	SEK

SOURCE: FTSE Group, data as at 31 December 2010

## SUMMARY PERFORMANCE STATISTICS (TOTAL RETURN - USD)

CALENDAR YEAR ANNUAL PERFORMANCE 1988-2010 (USD TOTAL RETURN)										
Year	0	1	2	3	4	5	6	7	8	9
1980s	-	-	-	-	-	-	-	-	19.97%	12.62%
1990s	11.08%	11.33%	0.81%	0.26%	9.08%	7.69%	18.86%	8.08%	0.74%	8.90%
2000s	8.32%	9.27%	10.52%	7.41%	3.83%	10.35%	7.23%	7.68%	-11.11%	10.58%
2010s	1.56%									

SOURCE: FTSE Group, data as at 31 December 2010

## SUMMARY PERFORMANCE STATISTICS (EXCESS RETURN - USD)

CALENDAR YEAR ANNUAL PERFORMANCE 1988-2010 (USD EXCESS RETURN)										
Year	0	1	2	3	4	5	6	7	8	9
1980s	-	-	-	-	-	-	-	-	11.18%	2.62%
1990s	2.30%	5.12%	-2.75%	-2.76%	4.56%	1.54%	12.68%	2.28%	-4.60%	3.57%
2000s	1.71%	5.04%	8.68%	6.19%	2.42%	6.85%	2.00%	2.32%	-12.86%	10.41%
2010s	1.38%									

SOURCE: FTSE Group, data as at 31 December 2010

## ABOUT RECORD CURRENCY MANAGEMENT

Record Currency Management is a leading currency management firm, managing USD 31 billion in assets (data as of 30/09/2010). Record has been providing currency management services to institutional investors and corporations in the UK, US, Canada and Europe without interruption since the firm's inception in 1983. Services include passive and dynamic currency hedging as well as currency for return strategies, in both segregated and pooled formats.

## INFORMATION

### Index Launch

October 2010

### Base Date

30 December 1998

### Base Value

1000

### Index Calculation

The indices are calculated on an end-of-day basis

### End-of-Day Distribution

Indices available at 17:30 local UK time, via FTP

### Currency

AUD, CAD, CHF, EUR, GBP, JPY, USD

### Interest Rates

Total Return indices use overnight rates from the following: IOCR-RBA, CORRA, TOIS, EONIA, SONIA, TONAR, and FED FUNDS

### Review Dates

Monthly

### Historical Data

Available from 1988

### Index Rules

Available at [www.ftse.com/forex](http://www.ftse.com/forex)

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