

# THOMSON REUTERS EIKON

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## Key Foreign Exchange Applications



## Document History

Version	Date	Authors	Changes
1.	15 July 2016	Chua Rui Ting Vincent Chia	First Issue for Eikon version 4.x

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# Eikon shortcuts: FX

REAL TIME MONITORING	
ALT	Alert Manager
OPW	Option Watch
Q	Quote
QL	Quote List
QLI	Quote Line
SDB	Sidebar
TAS	Time & Sales
TICK	Ticker
NEWS	
FXBUZZ	FX Buzz
NEWS	News
TOPNEWS	Top News
CHARTING	
CHRT	Chart App
ECOC	Economic Indicator Chart
FXFC	FX Forecast Chart
FXVO	FX Volatility Chart
TEAC	Technical Analysis Chart
VOLC	Volatility Chart

ANALYTICS AND CALCS	
AVRG	Average Calculator
BRKD	Broken Dates
COPP	Currency Options Portfolio
COPS	Currency Options Strategy
COPT	Currency Options
CORR	Correlation Matrix
DEAN	Deposit Analysis
DEFO	Deposit vs FX Forwards Overview
FRAA	FRA Arbitrage Calculator
FRAP	FRA Pricing
FXBP	FX Spot Arbitrage
FXCM	FX Cross Matrix Calculator
FXCT	FX Carry Trade
FXCV	Best FX MM Curve
FXFT	FX Forwards from Futures
FXOC	FX Options Calculator
FXVE	FX Volatility Explorer
NDFX	Non-Deliverable Forwards Calculator
OISC	Overnight Index Swap
PARF	Par Forward Calculator
REGR	Regression Analysis
SPO	Swap Points and Outrights
SPOZC	Swap Points from ZC

MARKETS	
BGC	BGC Market Data Broker Guide
CIG	Currency Index Guide
EE	Economic Events
FXALL	Fxall
FXG	Foreign Exchange Guide
FXHEAT	FX Volume Heatmap
FXMM	FX & Money Views
FXOTCG	FX Options Guide
FXPOLL (e.g. "EUR= FXPOLL")	FX Polls View
FXTFOG	Foreign Exchange Traded Futures and Options Guide
HOL	World Exchange Holidays
HOME	Home page
ICAP	ICAP Guide
NDFO	Non-Deliverable Forwards and Outrights Guide
NDFV	NDF View
SPOTG	Spot Guide
TPB	Tullett Prebon Broker Guide

## SEARCHES

ANSWERS	Eikon Answers
CURVESRCH	Curves – Advanced Search
FXMMSRCH	Money/Foreign Exchange – Advanced Search
SRCH	Advanced Search
TICK	Ticker

## HELP

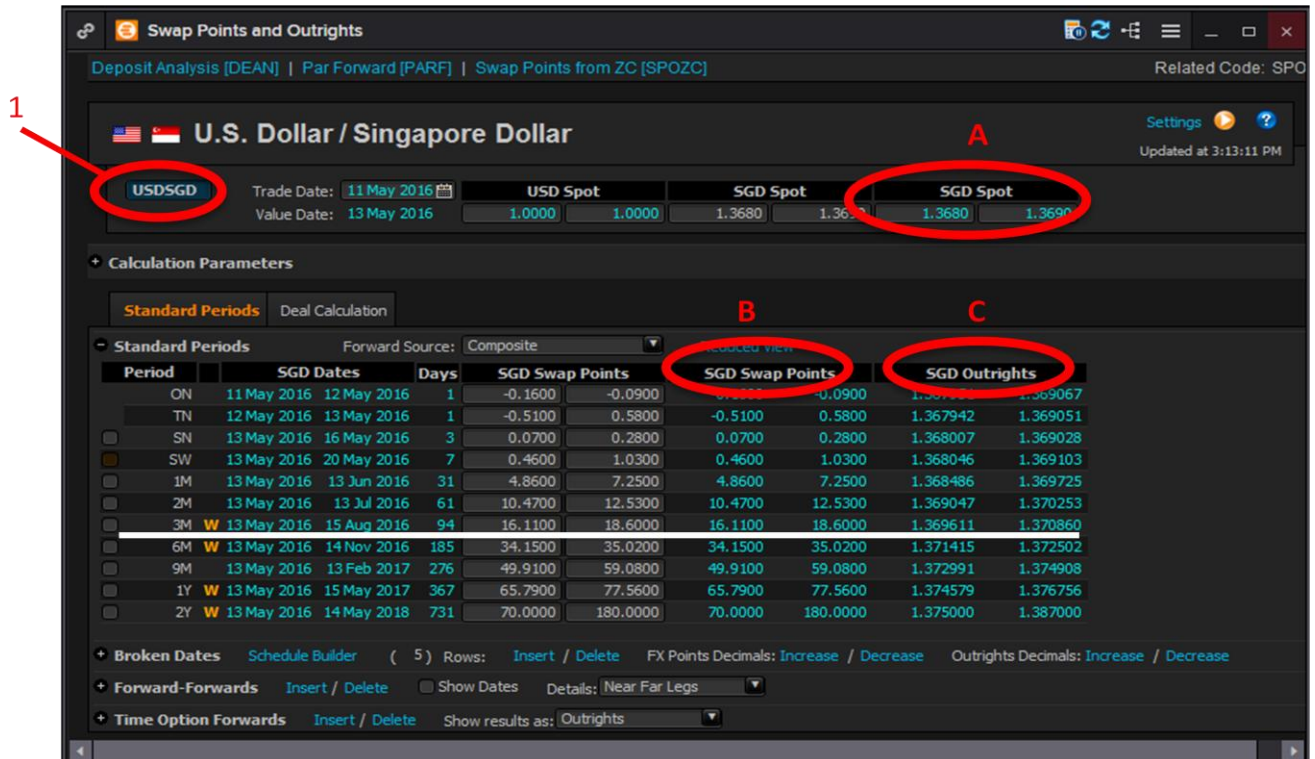
FAQ	Frequently Asked Questions
HELP	Online Help

## 1. Swap Points and Outrights <SPO>

The Swap Points and Outrights Calculator would enable users to search for the relevant swap points and corresponding outright values for specific currency pairs.

Using this application, users can also customise the specific spot and swap points in order to calculate the corresponding FX Outright value.

In the Eikon Toolbar, search <SPO> to open the application



1. Key in the currency pair at 1 (i.e. <USDUSD>)
2. Locate the necessary period from the first column (i.e. 3M for 3 months)  
There are 3 main bid-ask figures which would be of interest.

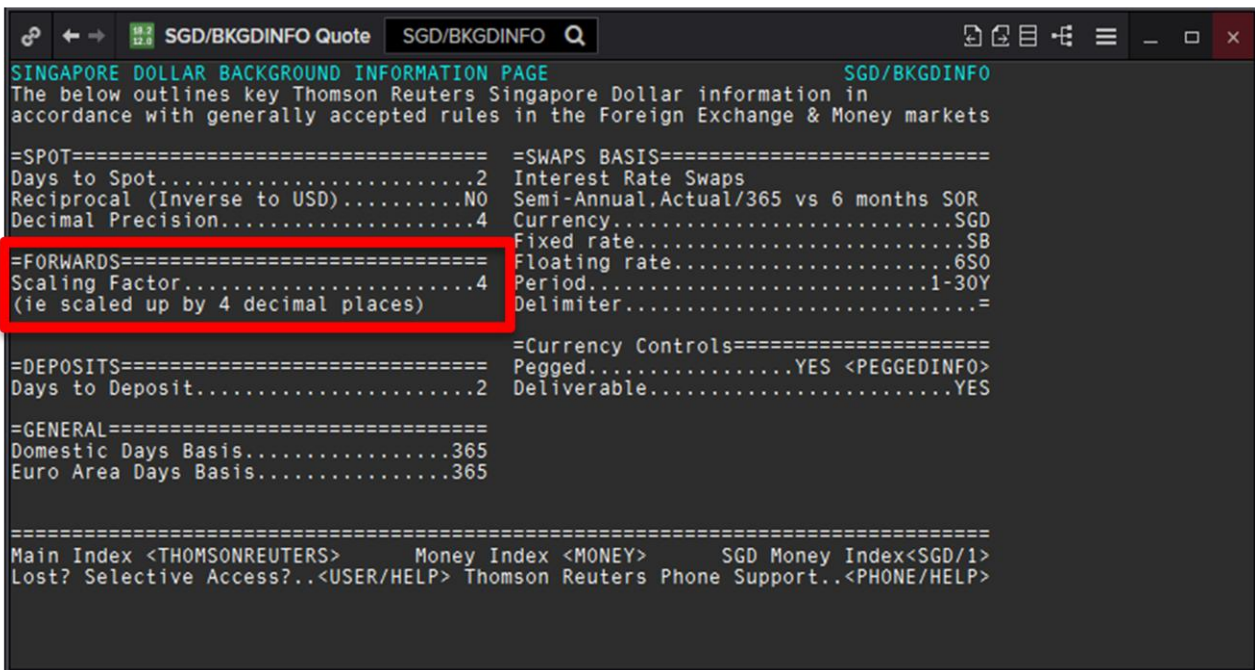
Figure	What it is	Alternative Methods to Obtain it
A	FX Spot Price	F4 > Search for spot price of currency e.g. <SGD=>
B	FX Swap Points	F4 > Search for forward swap points/rates e.g. <SGDFWD=>
C	FX Outrights	F4> Search for <0#SGDF=> or type <SGDF=> and press F3

## Scaling Factor

In the previous screenshot, the resultant outright price of USDSGD was not the sum of the corresponding FX spot price and FX swap points. This is due to the scaling factor of the SGD.

How to find the scaling factor of a currency?

1. In Eikon, press F4
2. Type in the country name (i.e. <Singapore> and select <Background Info>)



```

SGD/BKGDINFO Quote  SGD/BKGDINFO
SINGAPORE DOLLAR BACKGROUND INFORMATION PAGE  SGD/BKGDINFO
The below outlines key Thomson Reuters Singapore Dollar information in
accordance with generally accepted rules in the Foreign Exchange & Money markets

=SPOT=====
Days to Spot.....2
Reciprocal (Inverse to USD).....NO
Decimal Precision.....4

=FORWARDS=====
Scaling Factor.....4
(ie scaled up by 4 decimal places)

=DEPOSITS=====
Days to Deposit.....2

=GENERAL=====
Domestic Days Basis.....365
Euro Area Days Basis.....365

=====
Main Index <THOMSONREUTERS>      Money Index <MONEY>      SGD Money Index<SGD/1>
Lost? Selective Access?..<USER/HELP> Thomson Reuters Phone Support..<PHONE/HELP>
  
```

Here, Singapore has a scaling factor of 4 decimal places.

Hence, the following equation can be derived.

Deliverable FX Outrights = FX Spot Price + FX Swap Points / factor (if any)

Note:

Days to deposit (whether it is 1 or 2 days from trade date to spot date) can be found too.

## 2. Deposit Analysis <DEAN>

On the Deposit Analysis Calculator <DEAN>, users can find the implied deposit, deposit rates for different pairs of currencies.

First, Eikon uses certain terminologies.

**Target Currency:** This refers to the currency that is required at the end (the horizontal line of the previous diagram)

**Via Currency:** The currency that the implied deposit is carried through.

1. In the Eikon Toolbar, search <DEAN>
2. Select the target and via currency pair required
3. Match the period and the implied deposit for that particular date.
4. If required, you could select the broken date (e.g. 1M3D)

The screenshot displays the 'Deposit Analysis' tool for the Singapore Dollar / U.S. Dollar pair. The 'Target CCY' is set to SGD and the 'Via CCY' is set to USD. The trade date is 26 May 2016 and the value date is 31 May 2016. Below this, there are 'Calculation Parameters' including 'Swap To Dep' and 'Dep To Swap'. The main section is a table of 'Standard Periods' with columns for Period, End Date, Days, SGD Swap Points, USD Deposit, SGD Implied Deposit, Spread, and SGD Deposit. The 'SGD Implied Deposit' column is highlighted with a red box, showing values ranging from 0.50 to 2.62. The 'Period' column is also highlighted with a red box, showing various terms from ON to 2Y.

Period	End Date	Days	SGD Swap Points	USD Deposit	SGD Implied Deposit	Spread	SGD Deposit
ON	6 May 2016 - 27 May 2016	1	0.0600	0.1000	0.34	0.44	0.50
TN	7 May 2016 - 31 May 2016	4	0.1700	0.4700	0.42	0.50	0.54
SN	1 May 2016 - 01 Jun 2016	1	-1.5700	2.0000	0.48	0.58	-3.68
SW	1 May 2016 - 07 Jun 2016	7	0.0000	1.2500	0.36	0.46	0.37
1M	1 May 2016 - 30 Jun 2016	30	3.5000	5.0000	0.40	0.50	0.72
2M	1 May 2016 - 29 Jul 2016	59	12.2500	18.2500	0.78	0.87	1.34
3M	1 May 2016 - 31 Aug 2016	92	19.0000	25.0000	0.63	0.73	1.19
6M	1 May 2016 - 30 Nov 2016	183	40.0000	45.0000	0.93	1.03	1.53
9M	1 May 2016 - 28 Feb 2017	273	55.0000	65.0000	1.23	1.43	1.79
1Y	1 May 2016 - 31 May 2017	365	74.0000	83.0000	1.27	1.37	1.83
2Y	1 May 2016 - 31 May 2018	730	107.0700	191.4400	1.77	1.87	2.20

### 3. Non Deliverable Forwards <NDFX>

Using the Non Deliverable Forwards Calculator, users can calculate the outright for non deliverable contracts.

1. In the Eikon Toolbar, search <NDFX>
2. Key in the Base and NDF Currency as indicated below (i.e. for USDKRW, USD is the base currency and KRW is the NDF currency, where the profiting party will receive the profit in USD terms at the end of the contract).
3. Look under the <USD/KRW Outrights> for the price of the FX NDF

However, one should note that non deliverable forward contracts are not available for all currencies. Hence, users can utilise the dropdown menu for the NDF Currency in order to choose the currency pair.

The screenshot displays the 'Non Deliverable Forwards' calculator for the 'U.S. Dollar / Korean Won' pair. The 'Base Currency' is set to USD and the 'NDF Currency' is set to KRW. The 'Standard Periods' table is shown with the following data:


Period	USD/KRW Dates	Fixing Date	Days	KRW Outright	USD Deposit	KRW Deposit	USD/KRW Swap Points	USD/KRW Outrights
SW	16 May 2016 - 23 May 2016	19 May 2016	7	1,165.400000	0.270	0.400	0.274	1,165.400000
1M	16 May 2016 - 16 Jun 2016	14 Jun 2016	31	1,166.000000	0.590	0.690	1.205	1,166.000000
2M	16 May 2016 - 18 Jul 2016	14 Jul 2016	63	1,166.600000	0.720	0.820	1.327	1,166.600000
3M	16 May 2016 - 16 Aug 2016	11 Aug 2016	92	1,167.070000	0.770	0.870	1.350	1,167.070000
6M	16 May 2016 - 16 Nov 2016	14 Nov 2016	184	1,168.070000	0.940	1.040	1.410	1,168.070000
9M	16 May 2016 - 16 Feb 2017	14 Feb 2017	276	1,168.070000	1.090	1.290	1.411	1,168.070000
1Y	16 May 2016 - 16 May 2017	12 May 2017	365	1,168.120000	1.260	1.350	1.514	1,168.120000
2Y	16 May 2016 - 16 May 2018	14 May 2018	730	1,163.550000	1.580	1.680	-185.0000	1,163.550000



### 4. FX Top of Book <TOB>


An application which enables users to view different currency pairs as well as their corresponding spot and forwards is the FX Top of Book <TOB> Application.

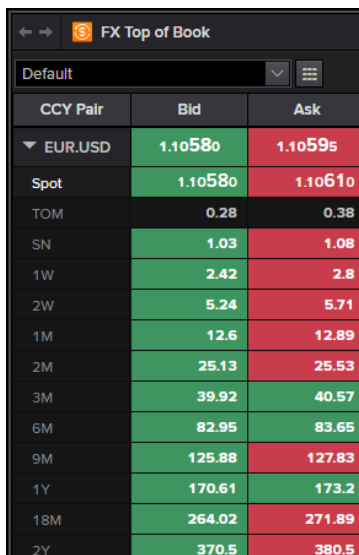
In the Eikon Toolbar, search <TOB>.

Press  in order to add new profiles (groups of currencies) or different currencies into a group.



EUR.USD (14:09:08)	JPY.USD (---:--)	SGD.USD (14:09:05)																																													
<table border="1"> <tr><th>Sell EUR</th><th>Buy EUR</th></tr> <tr><td>1.10</td><td>1.10</td></tr> <tr><td>632</td><td>649</td></tr> </table>	Sell EUR	Buy EUR	1.10	1.10	632	649	<table border="1"> <tr><th>Tenor</th><th>Bid</th><th>Ask</th></tr> <tr><td>Spot</td><td>0.0095880</td><td>0.0095900</td></tr> <tr><td>TOM</td><td>--</td><td>--</td></tr> <tr><td>SN</td><td>--</td><td>--</td></tr> <tr><td>1W</td><td>--</td><td>--</td></tr> </table>	Tenor	Bid	Ask	Spot	0.0095880	0.0095900	TOM	--	--	SN	--	--	1W	--	--	<table border="1"> <tr><th>Sell SGD</th><th>Buy SGD</th></tr> <tr><td>0.741</td><td>0.741</td></tr> <tr><td>600</td><td>800</td></tr> </table>	Sell SGD	Buy SGD	0.741	0.741	600	800																		
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Alternatively select  for the following view of a table of spot and forward figures for the currencies within the profile group.



CCY Pair	Bid	Ask
EUR.USD	1.10580	1.10595
Spot	1.10580	1.10610
TOM	0.28	0.38
SN	1.03	1.08
1W	2.42	2.8
2W	5.24	5.71
1M	12.6	12.89
2M	25.13	25.53
3M	39.92	40.57
6M	82.95	83.65
9M	125.88	127.83
1Y	170.61	173.2
18M	264.02	271.89
2Y	370.5	380.5

## 5. FX Options Calculator <FXOC>

For calculating the option premium costs for:

1. Vanilla
2. Barrier
3. European Digital
4. Touches
5. Average
6. Lookback
7. Forward Start
8. Compound
9. Chooser
10. Vanilla Strategy
11. Multi-Leg Strategy (User Defined Strategy + Strip Builder)

Users are able to utilise the FXOC in order to find the option premium in a similar way as to how to utilise COPT.

The screenshot displays the FX Options Calculator interface with the following settings and data:

Section	Field	Value	Unit	
OPTION TERMS	Deal Type	Buy		
	Expiry Tenor / Date	1M	Aug 03, 2016 (33d)	
	Delivery	Aug 05, 2016	31d	
	Style	European		
	Call/Put	USD	Call	
	Strike	102.3447		
	Notional	USD	1,000,000	
	MARKET DATA			
	ATM Vol (%)	13.188	13.788	
	RR (%)	10D	-3.191	-1.941
BF (%)	10D	1.150	1.900	
Fwd	Points	-9.8000	-9.4200	
USD Depo (%)		0.750	0.850	
JPY Depo (%)		-0.361	-0.218	
PRICING				
Volatility (%)		13.188	13.788	
Premium	USD	16,090	17,060	
Premium Price (%)		1.6090	1.7060	
Premium Date	Spot	Jul 05, 2016		
Delta (%)	Spot	50.119		
Delta Notional (USD)		501,195		
Vega (USD)		1,197		

In the Eikon Toolbar, search <FXOC>

Adjust the following settings:

1. Currency Pair
2. Type of Strategy (e.g. Vanilla)
3. Buy or Sell
4. Expiry or Tenor
5. European or American
6. Call or Put

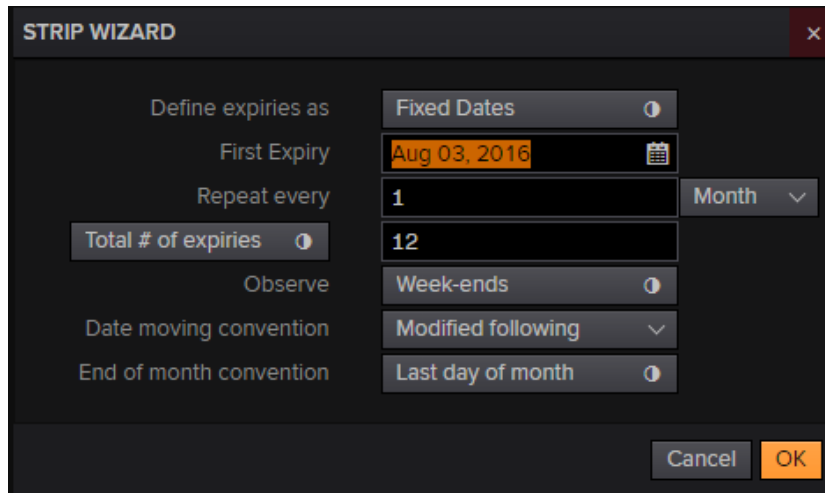
Note that the ATM Strike is by default the FX Outright at the end of the tenor.

### Strip Builder

In order to build a series of options, users can utilise the strip wizard function in order to repeat the same option over and over again.


For example, using the previous Vanilla option, we wish to repeat this for 12 times every month.

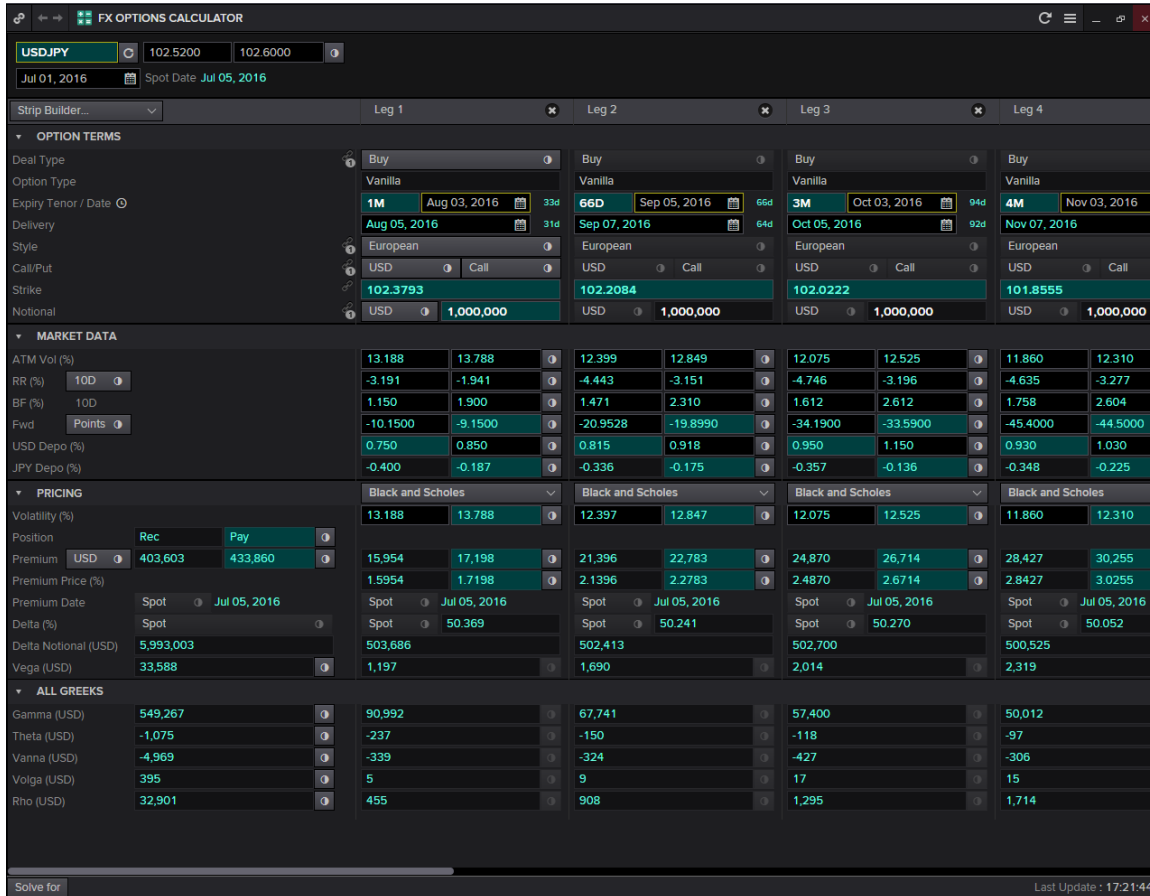
1. Select the Strip Builder through Multi-leg strategy>Strip Builder
2. In the following page, adjust the number of expires and the repetition frequency.



3. The following page will appear, with a series of options being repeated consecutively.

	Leg 1	Leg 2	Leg 3	Leg 4
<b>OPTION TERMS</b>				
Deal Type	Buy	Buy	Buy	Buy
Option Type	Vanilla	Vanilla	Vanilla	Vanilla
Expiry Tenor / Date	1M Aug 03, 2016	66D Sep 05, 2016	3M Oct 03, 2016	4M Nov 03, 2016
Delivery	Aug 05, 2016	Sep 07, 2016	Oct 05, 2016	Nov 07, 2016
Style	European	European	European	European
Call/Put	USD Call	USD Call	USD Call	USD Call
Strike	102.3695	102.3695	102.3695	102.3695
Notional	USD 1,000,000	USD 1,000,000	USD 1,000,000	USD 1,000,000
<b>MARKET DATA</b>				
ATM Vol (%)	13.188	13.788	12.399	12.849
RR (%)	-3.191	-1.941	-4.443	-3.151
BF (%)	1.150	1.900	1.471	2.310
Fwd	-9.7800	-9.4800	-20.6545	-20.1083
USD Depo (%)	0.750	0.850	0.815	0.919
JPY Depo (%)	-0.358	-0.225	-0.319	-0.187
<b>PRICING</b>				
Volatility (%)	13.188	13.788	12.346	12.794
Position	Rec	Pay	Rec	Pay
Premium (USD)	344,136	372,362	20,505	21,852
Premium Price (%)	1.5971	1.7181	2.0505	2.1852
Premium Date	Spot Jul 05, 2016	Spot Jul 05, 2016	Spot Jul 05, 2016	Spot Jul 05, 2016
Delta (%)	503.375	503.38	490,982	49,098
Delta Notional (USD)	5,573,618	5,573,618	482,665	48,267
Vega (USD)	33,767	1,197	1,693	2,019
<b>ALL GREEKS</b>				
Gamma (USD)	563,218	90,999	68,271	58,246
Theta (USD)	-1,081	-236	-150	-118
Vanna (USD)	35,758	-316	634	1,320
Volga (USD)	689	5	-9	-15
Rho (USD)	30,013	455	888	1,243

- By default, the calculator would synchronise all the strike prices to the same price. However, users are able to adjust this, by clicking on the  button at the strike row.
- This would cause the strike prices to unsynchronise and will now follow the FX outright price at each of the expiry dates.



The screenshot displays the FX Options Calculator interface for a USDJPY strip. The main configuration shows a USDJPY pair with a spot date of Jul 05, 2016. The strip consists of four legs (Leg 1 to Leg 4) with varying tenors and expiry dates. The 'OPTION TERMS' section shows details for each leg, including deal type (Buy), option type (Vanilla), expiry tenor/date, delivery date, style (European), call/put, and strike price. The 'MARKET DATA' section provides volatility and forward rates for ATM, RR, BF, and Fwd. The 'PRICING' section shows the Black and Scholes model results for each leg, including volatility, position, premium, and delta. The 'ALL GREEKS' section provides a summary of Greeks (Gamma, Theta, Vanna, Volga, Rho) for the entire strip.

Leg	Deal Type	Option Type	Expiry Tenor / Date	Delivery	Style	Call/Put	Strike	Notional
Leg 1	Buy	Vanilla	1M Aug 03, 2016	Aug 05, 2016	European	USD Call	102.3793	1,000,000
Leg 2	Buy	Vanilla	66D Sep 05, 2016	Sep 07, 2016	European	USD Call	102.2084	1,000,000
Leg 3	Buy	Vanilla	3M Oct 03, 2016	Oct 05, 2016	European	USD Call	102.0222	1,000,000
Leg 4	Buy	Vanilla	4M Nov 03, 2016	Nov 07, 2016	European	USD Call	101.8555	1,000,000

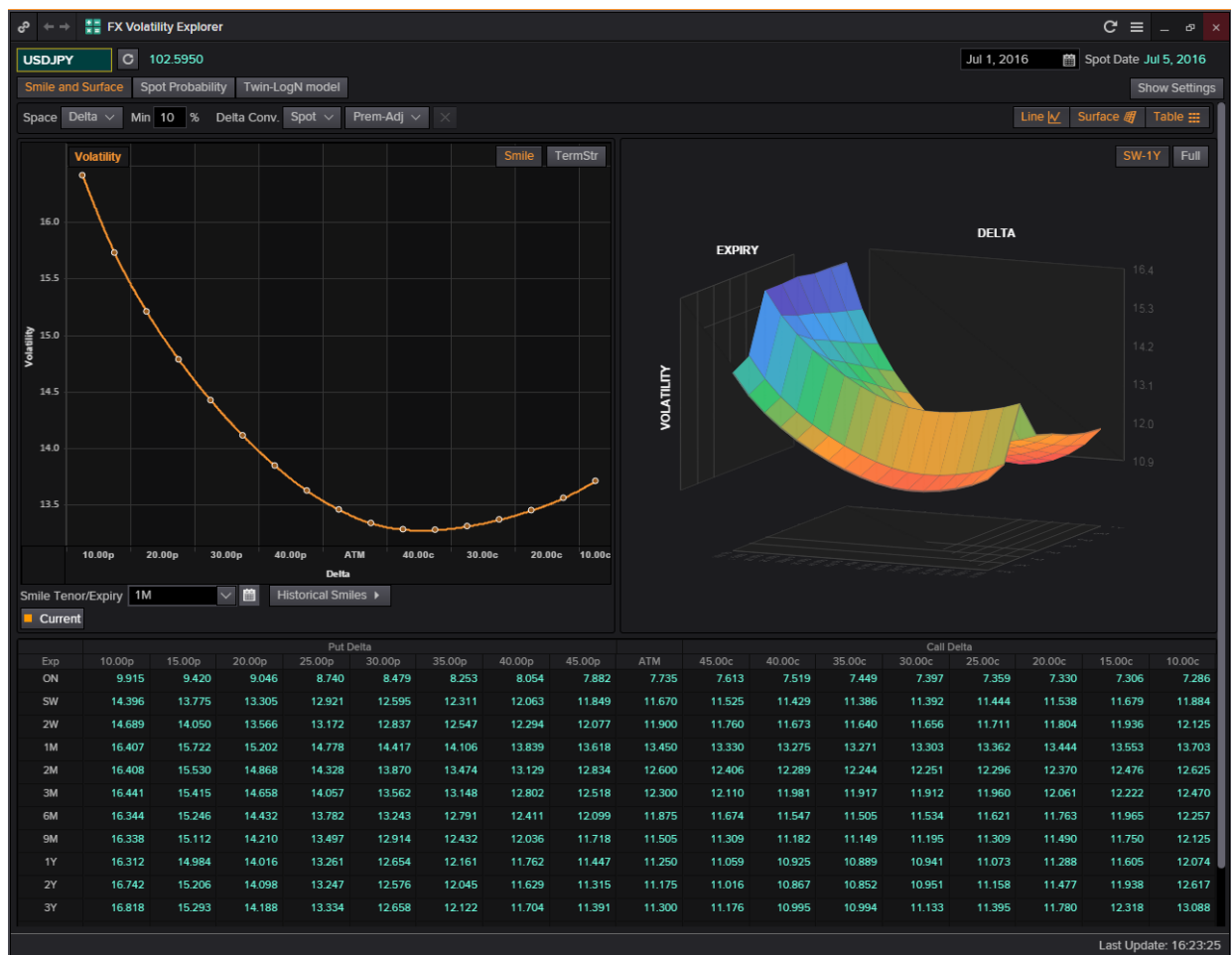
## 6. FX Volatility Explorer <FXVE>

Here, using the FX Volatility Explorer, users are able to view the FX implied volatility smiles (FX Implied Volatility against Delta) at different expiries. Furthermore, the spot probabilities are provided in the second tab, where the different probabilities as well as the implied probability distributions are plotted. Here, the discrepancy between the implied distribution curve and the log-normal distribution curve, especially at the lower delta values would give rise to the “fat-tail effect” or the smile at the two ends of the implied volatility curve.

However, one should note that should the “fat tail effect” only occurs if the probability distribution of the implied and log-normal distribution differs. If not, a “smirk” like curve as seen below would be presented.

In order to utilise the <FXVE> application,

1. In the Eikon Toolbar, search <FXVE>
2. Choose your currency pair and view the different tenors and deltas in order to obtain the implied volatility of the option premium necessary.



## 7. Swap Data Repository View <SDRV>

SDRV is a reporting tool for OTC trades reported by financial institutions within the USA. The tool pulls in all declared swaps and options and this allows users to swap on all asset classes.

Information on this page is sourced from two repositories:

1. DTCC: The Depository Trust and Clearing Corporation.

It is a US-based post-trade financial services company which provides clearing and settlement services to the financial markets.

2. CME: Chicago Mercantile Exchange

It trades commodities and financial instruments using the open outcry format and the electronic trading through Globex.

In order to utilise the following page,

In the Eikon Toolbar, search for <SDRV> and choose from the different asset classes in order to view the trades available.

One way to view all the trades for a specific currency would be to select on the Notional Currency 1 or 2 to sort the results obtained.

Trade Date/Time	Ntnl CCY1	Ntnl Amt1	Ntnl CCY2	Ntnl Amt2	Strike	Transaction Type
2016-07-07 23:57:21		0		0		TRADE
2016-07-07 23:57:21		0		0		TRADE
2016-07-07 23:57:11		0		0		TRADE
2016-07-07 23:57:11		0		0		TRADE
2016-07-07 23:24:58	USD	5	JPY	510	102	TRADE
2016-07-07 23:17:36	GBP	434,783	USD	500,000	1.15	TERMINATION
2016-07-07 23:16:06	GBP	869,565	USD	1,000,000	1.15	TERMINATION
2016-07-07 23:14:14	GBP	277,778	USD	350,000	1.26	TERMINATION
2016-07-07 23:11:44	EUR	10,000,000	USD	11,000,000	1.1	TERMINATION
2016-07-07 23:09:12	GBP	5,223,881	USD	7,000,000	1.34	TERMINATION
2016-07-07 22:59:13	USD	11,000,000	CLP	7,535,000,000	685	TRADE
2016-07-07 22:58:12	USD	3,000,000	CLP	2,055,000,000	685	TRADE
2016-07-07 22:50:50	USD	440,000	JPY	42,240,000	96	TRADE
2016-07-07 22:15:01	USD	61,000,000		0		TRADE
2016-07-07 22:06:33	USD	66,000,000		0		TRADE
2016-07-07 22:01:45	AUD	100,662,252	USD	76,000,000	0.755	TRADE
2016-07-07 21:56:21	USD	30,000,000	MXN	565,350,000	18.845	TRADE
2016-07-07 21:50:23		0		0		TRADE
2016-07-07 21:49:20	USD	33,000,000	JPY	2,970,000,000	90	TRADE
2016-07-07 21:49:18	USD	59,000,000	JPY	5,310,000,000	90	TRADE
2016-07-07 21:24:05		0		0		TRADE
2016-07-07 21:19:31	AUD	150,000,000	JPY	11,340,000,000	75.6	TERMINATION
2016-07-07 21:19:15	AUD	150,000,000	JPY	11,340,000,000	75.6	TERMINATION
2016-07-07 21:19:06	AUD	95,000,000	JPY	6,745,000,000	71	TRADE
2016-07-07 21:19:06	AUD	100,946,372	JPY	8,000,000,000	79.25	TRADE
2016-07-07 21:18:29		0		0		AMENDMENT
2016-07-07 21:16:34	USD	61,000,000		0		TRADE
2016-07-07 21:12:39		0		0		AMENDMENT
2016-07-07 21:03:21	USD	380,000		0		AMENDMENT

## 8. Currency Performance/ Value Tracker <FXPT>

Using the Currency Performance/ Value Tracker application, users can compare how a specific currency performed historically and currently. While the 3 months implied volatility implies the market's sentiments on the currency pair currently, the 3 months realised volatility is the traded volatility 3 months ago.

Hence, comparing the two figures could be beneficial to an options buyer as to whether they should buy or sell an option right now.

In the Eikon Toolbar, search <FXPT>.

The screenshot shows the 'Currency Performance/Value Tracker' application interface. The table displays the following data:

Currency	Spot	3M Implied Vol	6M Implied Vol	1Y Implied Vol	3M Realized Vol	6M Realized Vol	1Y Realized Vol	3M Risk Reversal skew	6M Risk Reversal skew	1Y Risk Reversal skew
USDCAD	1.30	9.69	9.70	9.82	9.36	10.95	9.54	1.13	1.23	1.30
USDCHE	0.98	8.24	8.85	9.22	8.05	8.25	9.21	-1.02	-1.07	-1.02
USDJPY	100.69	12.85	12.45	11.90	14.97	13.13	10.85	-2.63	-2.60	-2.52
USDNOK	8.50	12.01	12.21	12.34	14.34	13.02	12.39	1.25	1.54	1.75
USDSEK	8.56	9.85	10.29	10.63	11.84	10.31	10.75	1.20	1.20	1.35
GBPUSD	1.29	13.80	13.30	12.76	20.64	16.45	12.73	-2.21	-2.41	-2.58
NZDUSD	0.73	13.05	13.15	13.25	13.87	14.09	13.62	-1.46	-1.76	-2.08
AUDUSD	0.75	11.71	11.95	12.25	13.51	13.23	12.25	-1.55	-1.85	-2.15
EURUSD	1.11	9.32	9.65	9.82	9.45	8.97	9.99	-1.40	-1.65	-1.86
EURAUD	1.47	10.85	11.05	11.30	9.82	11.57	13.38	0.96	1.23	1.70
EURCAD	1.44	9.78	10.09	10.47	8.25	10.84	12.03	0.17	0.20	0.25
EURCHF	1.08	6.25	6.80	7.00	5.81	5.06	5.48	-2.00	-2.10	-2.40
EURGBP	0.85	12.40	12.05	11.76	16.90	13.73	11.87	1.77	1.76	1.82
EURJPY	111.45	14.00	13.65	13.30	17.66	14.29	11.71	-3.15	-3.35	-3.50
EURNOK	9.41	8.70	8.85	8.93	8.17	8.94	9.77	1.13	1.32	1.48
EURNZD	1.53	11.65	11.61	12.18	10.60	11.53	14.01	0.79	1.07	1.57
EURSEK	9.48	6.60	6.91	7.17	6.08	5.93	6.40	0.69	0.71	0.75
GBP AUD	1.72	13.35	13.22	13.45	18.12	15.01	13.18	-1.55	-1.25	-0.90
GBP CAD	1.69	12.43	12.20	11.90	17.89	14.77	12.33	-2.13	-2.13	-2.15
GBP CHF	1.27	13.21	12.94	12.76	21.11	16.65	13.47	-3.05	-3.08	-3.13
GBP JPY	130.40	18.63	17.38	16.30	33.11	25.46	19.05	-4.33	-4.58	-4.92
CHF JPY	102.76	13.40	13.05	12.68	16.06	13.16	10.90	-1.35	-1.40	-1.48
AUD CAD	0.98	8.68	8.82	8.95	9.07	8.68	9.07	-0.38	-0.50	-0.50
AUD CHF	0.74	11.44	11.96	12.35	12.49	13.24	14.00	-2.08	-2.29	-2.60

For example,

Here, the 3M implied volatility for USDCAD is 9.69 while the 3M realised volatility is 9.36.

Hence the currency pair USDCAD is currently more volatile as compared to 3M ago.