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**WHAT'S THIS DOCUMENT FOR?**

This document will show you the costs and charges associated with our products – CFDs, turbo warrants and options – and markets. You'll find formulae for how we calculate our charges, both throughout the document and collected in [Appendix A](#), as well as worked examples. You can apply these to your own trades to estimate the cumulative effect of our costs and charges on your returns. It's important to remember that your total costs will increase proportionate to your trading sizes and volumes.

## COSTS FOR CFD TRADES

### COMMODITIES

#### THE COSTS AND CHARGES

When you open a daily funded bet or trade cash CFDs on one of our commodity markets, you'll pay:

1. Our spread (the difference between the bid and ask prices; includes the market spread, which can vary dependant on market conditions)
2. An overnight funding adjustment (if you hold your position past 10pm UK time)

#### THE OVERNIGHT FUNDING ADJUSTMENT

The formula for calculating the overnight funding adjustment on commodities is broken down into two parts; the daily movement along the futures curve (**basis**), and the **IG charge**.

We call this an adjustment, not an outright charge, because the **basis** may be a credit or a debit. This will depend on the direction of your trade and the slope of the futures curve. Please read [Appendix B: How we price our undated commodity markets](#) for more information about the basis, and how it will affect your position.

#### FORMULAE

1. Formula for **commodities overnight funding adjustment** =

EITHER **nights held x (trade size x (basis + IG charge))**, for long trades on upward-sloping futures curves, or short trades on downward-sloping futures curves; trades in which you will pay the basis,

OR **nights held x (trade size x (basis – IG charge))**, for short trades on upward-sloping futures curves, or long trades on downward-sloping futures curves; trades in which you will receive the basis

2. Formula for the **basis** =  $(P3 - P2) / (T2 - T1)$

P2 = price of front future

P3 = price of next future

T1 = expiry date of the previous front future

T2 = expiry date of the front future

3. Formula for the **IG charge** = Undated mid price x 3% / 360\*. The undated mid price is a snapshot of the mid price of the cash CFD or DFB on the relevant date

#### COMMODITIES CFD TRADE EXAMPLE

Imagine that you're selling three standard contracts of Coffee – New York (Arabica). The contract size is \$3.75, and the spread is 20 points.

Let's look at what the trade would cost if you held it for two nights, based on the following:

<b>T1 and T2 difference</b>	= 90 days
<b>P2</b>	= 12470
<b>P3</b>	= 12825
<b>Undated mid price</b>	= 12668.9

<b>Overnight adjustment</b>	= $\$11.25 \times (((12825 - 12470) / 90) - (12668.9 \times 3\% / 360))$
	Trade size      Price of next future      Price of front future      T2 - T1      IG charge
	= $\$11.25 \times (3.944 - 1.05)$
	Basis      IG charge
	= $\$44.37 - \$11.81$
	= $\$32.56$ (received)
	2 x \$32,56
	Nights held
	= $\$65,12$

Since this is a dollar trade, we also need to convert it into sterling. We charge an admin fee of 0.5% of the conversion rate. Say the conversion rate on this day is 1.3305 – with our admin fee, we get a conversion rate of 1.337125.

$$\text{Converted overnight adjustment} = \$65,12 / 1.337125$$

$$= \text{£}48,70 \text{ (received)}$$

Based on the above example held for two nights, the total cost would be as follows:

<b>Spread</b>	= $20 \times \$3.75 \times 3$
	= $\$225$
<b>Converted spread</b>	= $\$225 / 1.3344915$
	= $\text{£}168.60$
<b>Overnight funding charge (within adjustment)</b>	= $2 \times 11,81$
	= $\$23,62$
<b>Converted overnight funding charge</b>	= $\$23,62 / 1.3344915$
	= $\text{£}17,70$
<b>Total cost</b>	<b>£186,30</b>

### FOREX

#### THE COSTS AND CHARGES

When you open a daily funded bet or trade cash CFDs on one of our forex markets, you'll pay:

1. Our spread (the difference between the bid and ask prices; includes the market spread, which can vary dependant on market conditions)
2. An overnight funding charge (if you hold your position past 10pm UK time)

Forex settles on a T+2 basis, so if you hold a position overnight on a Wednesday, you'll be charged for three days' carry.\*\*

#### FORMULAE

1. Formula for forex **overnight funding charge** = **nights held x (tom-next rate including annual admin fee) x trade size**
2. Formula for **annual admin fee** = **cash mid price x 0.8%** for mini contracts and CFD standard contracts

We take our tom-next rate from the underlying market. For more information on how tom-next is calculated, please see [Appendix C: What is tom-next?](#)

## COSTS FOR CFD TRADES (CONTINUED)

### FOREX CFD TRADE EXAMPLE

Imagine that you're buying 5 contracts of GBP/USD, with a spread of 0.9, held for one night on Wednesday. Forex trades are settled on a T+2 basis, so if you hold a position overnight on a Wednesday, you pay to hold your position for three nights rather than one. You'll only be charged one day of the IG admin fee on a Wednesday, however if you were to hold on a Friday you will pay three days of IG's admin fee to account for holding over the weekend.

<b>Underlying tom-next</b>	= 0.27/-0.3
<b>Cash mid price</b>	= 13176
<b>Admin fee</b>	= 13176 x 0.8% / 360 = 0.29
<b>Tom-next with admin fee</b>	= (3 x 0.27) - 0.29 / (3 x -0.3) - 0.29 = 0.52 / -1.11 <small>We use this negative number in our calculation, as this is a long position</small>

Since this is a dollar trade, we need to convert it into sterling. Our admin fee is 0.5% of the conversion rate, so if the conversion rate is 1.3176, we'd get a rate of 1.311.

Total cost:

<b>Spread</b>	= 0.9 x \$50 = \$45
<b>Converted spread</b>	= \$45 / 1.311 = £34.33
<b>Overnight funding</b>	= -1.19 x \$50 = \$59.50
<b>Converted overnight funding</b>	= \$59.50 / 1.31 = £45.39 <small>(£33.18 of which is the IG admin fee: (0.29 x 3) x \$50 = \$43.50, which converted = \$43.50 / 1.311 = £33.18)</small>
<b>Total cost</b>	= <b>£78.57</b>

In the event that your base currency is different to the currency of the charge, you'll see this converted at the predominate rate of the time on your statement.

### SHARES

#### THE COSTS AND CHARGES

When you open a daily funded bet or trade cash CFDs on one of our share markets, you'll pay:

1. Our spread (the difference between the bid and ask prices) on spread bets, or our commission on CFD trades
2. The market spread, which can vary dependant on market conditions
3. An overnight funding charge (if you hold your position past 10pm UK time)
4. Borrow (if shorting a share market)

#### FORMULAE

1. **Overnight funding charge = nights held x (market closing price x trade size x (3% +/- applicable interbank rate)) / 360\***

If you're long, you pay LIBOR (or the equivalent interbank rate). If you're short, you receive it.

#### SHARES CFD TRADE EXAMPLE

Now imagine you're selling 250 Apple share contracts, held for four nights with a price of 167.20 each evening.

**Current US LIBOR rate = 1.24%**

**Annual borrow charge = 0.60%**

**Market spread = 0.1**

Since this is a dollar trade, we also need to convert it into sterling. We charge an admin fee of 0.5% of the conversion rate. Say the conversion rate on this day is 1.3305 – with our admin fee, we get a conversion rate of 1.3234.

Total cost:

<b>Market spread</b>	= 0.1 x 250 = \$25
<b>Converted market spread</b>	= 25 / 1.3234 = £18.89
<b>IG commission</b>	= \$30 (\$15 to open and \$15 to close)
<b>Converted IG commission</b>	= 30 / 1.32345 = £22.67
<b>Overnight funding</b>	= 4 x 250 x 167.20 x (3%-1.24%) / 360 = \$8,17
<b>Converted overnight funding</b>	= 8,17 / 1.3234 = £6,17
<b>Borrow</b>	= 4 x 250 x 167.2 x 0.6% / 360 = \$2.78
<b>Converted borrow</b>	= 2.78 / 1.3234 = £2.10
<b>Total cost = market spread + IG commission + overnight funding + borrow</b>	= <b>£18.85 + £22.62 + £6,17 + £2.10</b> = <b>£49,74</b>

### INDICES

#### THE COSTS AND CHARGES

When you open a daily funded bet or trade cash CFDs on one of our index markets, you'll pay:

1. Our spread (the difference between the bid and ask prices; includes the market spread, which can vary dependant on market conditions)
2. An overnight funding charge (if you hold your position past 10pm UK time)

#### FORMULAE

1. **Overnight funding charge = Nights held x (market closing price x trade size x (admin fee +/- applicable interbank rate)) / 360\***

Our admin fee is 2.5% for spread bets and 3% for CFD contracts. If you're long, you pay LIBOR (or the equivalent interbank rate). If you're short, you receive it.

#### INDICES CFD TRADE EXAMPLE

Imagine that you're selling 20 mini contracts of Germany 30 cash. You hold your trade for seven nights (including the weekend), with a price of 13446 at 10:00pm on all evenings.

**Current EURIBOR rate = -0.372%**

You open and close your position during market hours, so the total spread charged is one point.

Total cost:

**Spread = €20 x 1**  
= €20

Since this is a euro trade, we also need to convert it into sterling. We charge an admin fee of 0.5% of the conversion rate. Say the conversion rate on this day is 0.8749 – with our admin fee, we get a conversion rate of 0.8793.

## COSTS FOR CFD TRADES (CONTINUED)

<b>Converted spread</b>	= €20 x 0.8793 = £17.59
<b>Overnight funding</b>	= 7 x €20 x 13446 x (3% - (-0.372%) / 360 = €176.32
<b>Converted overnight funding</b>	= €176.32 x 0.8793 = £155.04
<b>Overall cost</b>	= £172.63

## EQUITY OPTIONS

### THE COSTS AND CHARGES

When you open a daily funded bet or trade cash CFDs on one of our equity options, you'll pay:

1. Our spread on spread bets/our commission on CFD trades
2. The market spread, which can vary dependant on market conditions

The spread is the difference between the bid and ask prices.

### EQUITY OPTIONS CFD TRADE EXAMPLE

Imagine you're buying 15 lots of the SPY 25750 CALL expiry DEC, and hold for 2 weeks. One lot = 100 shares for US equity options.

**IG commission** = \$5 per lot, charged to open and close

**Market spread** = 3 points

Total cost:

**IG commission** = 2 x 15 x \$5  
= \$150

Since this is a dollar trade, we also need to convert it into sterling. We charge an admin fee of 0.5% of the conversion rate. Say the conversion rate on this day is 1.3305 – with our admin fee, we get a conversion rate of 1.3238.

**Converted IG commission** = \$150 / 1.3238  
= £113.31

**Market spread** = \$0.03 x 15 x 100  
= \$45

**Converted market spread** = \$45 / 1.3238  
= £33.93

**Total cost = £147.30**

## COSTS FOR VANILLAS

### COMMODITIES

#### THE COSTS AND CHARGES

When you open a vanilla option on one of our commodity markets, you'll pay:

1. Our spread (the difference between the bid and ask prices; includes the market spread, which can vary dependant on market conditions)
2. A separate commission charged on opening and closing of the trade

### COMMODITIES VANILLA EXAMPLE

Imagine you are long 10 x 1 USD contracts of the US Oil 4730 Call, with a spread of 2.4 points, an opening / closing commission of \$0.10.

The cost of your trade is the spread. 10 x 2.4 = \$24 and the commission for opening and closing the trade = (10 x \$0.10) x 2 = \$2.

Based on the above example held for one night, the total cost would be as follows:

**Spread** = \$24

**Opening / closing commission** = (10 x \$0.10) x 2 = \$2

**Total cost = \$26**

### FOREX

#### THE COSTS AND CHARGES

When you open a vanilla option on one of our forex markets, you'll pay:

1. Our spread (the difference between the bid and ask prices; includes the market spread, which can vary dependant on market conditions)
2. A separate commission charged on opening and closing of the trade

### FOREX VANILLA EXAMPLE

Imagine that you're short 10 x \$1 contracts on EUR/USD 1.1350 Call, with a spread of 0.75 and an opening / closing commission of \$0.10.

Total cost:	= 0.75 x \$10
<b>Spread</b>	= \$7.50
<b>Opening / Closing commission</b>	= (10 x \$0.10) x 2 = \$2
<b>Total cost</b>	= <b>\$9.50</b>

### INDICES

#### THE COSTS AND CHARGES

When you open a vanilla option on one of our index markets, you'll pay:

1. Our spread (the difference between the bid and ask prices; includes the market spread, which can vary dependant on market conditions)
2. A separate commission charged on opening and closing of the trade

### INDICES VANILLA EXAMPLE

Imagine that you're buying 10 x £1 contracts of the FTSE 100 7400 Call with a spread of 1 point and an opening / closing commission of £0.10.

You open and close your position during market hours, so the total spread charged is one point.

Total cost:

**Spread** = £10 x 1  
= £10

**Opening/Closing commission** = (10 x £0.10) x 2  
= £2

**Total cost = £12**

## COSTS FOR BARRIERS

### COMMODITIES

#### THE COSTS AND CHARGES

When you open a barrier option on one of our commodity markets, you'll pay:

1. Our spread (the difference between the bid and ask prices; includes the market spread, which can vary dependant on market conditions)
2. A separate commission charged on opening and closing of the trade
3. A knockout premium, which is charged in full if the knockout level is triggered. May be partly charged if the knockout premium amount changes from opening to closing of the trade based on expected volatility
4. An overnight funding adjustment (if you hold your position past 10pm UK time)

#### THE OVERNIGHT FUNDING ADJUSTMENT

The formula for calculating the overnight funding adjustment on commodities is broken down into two parts; the daily movement along the futures curve (**basis**), and the **IG charge**.

We call this an adjustment, not an outright charge, because the **basis** may be a credit or a debit. This will depend on the direction of your trade and the slope of the futures curve. [Appendix B: How we price our undated commodity markets](#) for more information about the basis, and how it will affect your position.

#### FORMULAE

When you open a barrier option on one of our commodity markets, you'll pay:

1. Formula for commodities overnight funding adjustment =

EITHER **nights held x (trade size x (basis + IG charge))**, for long trades on upward-sloping futures curves, or short trades on downward-sloping futures curves; trades in which you will pay the basis,

OR **nights held x (trade size x (basis – IG charge))**, for short trades on upward-sloping futures curves, or long trades on downwardsloping futures curves; trades in which you will receive the basis

2. Formula for the **basis** =  $(P3 - P2) / (T2 - T1)$

P2 = price of front future

P3 = price of next future

T1 = expiry date of the previous front future

T2 = expiry date of the front future

3. Formula for the **IG charge** =  $\text{Undated mid price} \times 2.5\% / 360^*$ . The undated mid price is a snapshot of the mid price of the underlying undated IG commodity price on the relevant date

#### COMMODITIES BARRIER EXAMPLE

Imagine you are long 10 x 1 USD contracts of the US Oil 4730 Bull, with a spread of 2.4 points, an opening / closing commission of \$0.10 and a knockout premium of 3 points.

The cost of your trade, if you don't hold it overnight, is the spread.  $10 \times 2.4 = \$24$  plus the knockout premium,  $10 \times 3 = \$30$  (if triggered) and the commission for opening and closing the trade =  $(10 \times \$0.10) \times 2 = \$2$ .

Let's look at what the trade would cost if you held it for one night, based on the following:

<b>T1 and T2 difference</b>	= 31 days
<b>P2</b>	= 4700
<b>P3</b>	= 4770
<b>Undated mid price</b>	= 4730
<b>Overnight adjustment</b>	$= \$10 \times \left( \frac{(4770 - 4700)}{31} \right) + (4730 \times 2.5\% / 360)$ <p style="text-align: center;"> <small>Basis</small>                      <small>IG charge</small>  <small>Trade size</small>   <small>P3 - price of next future</small>   <small>P2 - price of front future</small>   <small>T2 - T1</small>   <small>Undated mid price</small> </p> $= \$10 \times (\$2.258 + \$0.328)$ $= \$22.58 + \$3.28$ <p style="text-align: center;"> <small>Overnight adjustment</small>   <small>IG charge</small> </p>

In this example, the IG charge for holding the position overnight is \$3.28. The \$22.58 basis adjustment will appear in the running profit or loss on the position as either a credit or debit, depending on the direction of your trade and the slope of the futures curve.

Based on the above example held for one night, the total cost would be as follows:

**Spread** = \$24

**Knockout premium (if triggered)** = \$30

**Opening / closing commission** =  $(10 \times 10 \text{ cents}) \times 2 = \$2$

**Overnight funding charge (within adjustment)** = \$3.28

**Total cost = \$59.28**

For any position opened before 10pm Friday that is still open after 10pm Friday, the basis adjustment will be made for three days as opposed to one. This three-day adjustment is applied on the Sunday night or Monday morning.

### FOREX

#### THE COSTS AND CHARGES

When you open a barrier option on one of our forex markets, you'll pay:

1. Our spread (the difference between the bid and ask prices; includes the market spread, which can vary dependant on market conditions)
2. A separate commission charged on opening and closing of the trade
3. A knockout premium, which is charged in full if the knockout level is triggered. May be partly charged if the knockout premium amount changes from opening to closing of the trade based on expected volatility
4. An overnight funding charge (if you hold your position past 10pm UK time)

Forex settles on a T+2 basis, so if you hold a position overnight on a Wednesday, you'll be charged for three days' carry.\*\*

#### FORMULAE

When you open a barrier option on one of our forex markets, you'll pay:

1. Formula for forex **overnight funding charge** = **nights held x (tomnext rate including annual admin fee) x trade size**
2. Formula for **annual admin fee** = **cash mid price x 0.8%**

We take our tom-next rate from the underlying market. For more information on how tom-next is calculated, please see [Appendix C: What is tom-next?](#)

## COSTS FOR BARRIERS (CONTINUED)

### FOREX BARRIER EXAMPLE

Imagine that you're short 10 x \$1 Contracts on EUR/USD, with a spread of 0.75, knockout premium of 1.2 points, Opening / Closing commission of \$0.10 and you hold the position for two nights.

<b>Underlying tom-next</b>	= 0.56/-0.58
<b>Cash mid price</b>	= 11780 x 0.8% / 360
<b>Tom-next with admin fee</b>	= 0.30 / -0.84 <small>We use this positive number in our calculation, as this is a short position</small>
<b>Total cost:</b>	
<b>Spread</b>	= 0.75 x \$10 = \$7.50
<b>Knockout premium</b>	= 1.2 x 10 = \$12
<b>Opening / Closing commission</b>	= (10 x \$0.10) x 2 = \$2
<b>Overnight funding</b>	Tom-next with admin fee = 2 x 0.3 x \$10 <small>Days Trade held size</small> = \$6.00 (received)
<b>Total cost</b>	= <b>\$15.50 (spread minus overnight funding received)</b>

### INDICES

#### THE COSTS AND CHARGES

When you open a barrier option on one of our index markets, you'll pay:

1. Our spread (the difference between the bid and ask prices; includes the market spread, which can vary dependant on market conditions)
2. A separate commission charged on opening and closing of the trade
3. A knockout premium, which is charged in full if the knockout level is triggered. May be partly charged if the knockout premium amount changes from opening to closing of the trade based on expected volatility
4. An overnight funding charge (if you hold your position past 10pm UK time)

#### INDICES BARRIER EXAMPLE

Imagine that you're buying 10 x £1 contracts of the FTSE 100 7400 Bull with a spread of 1 point, a knockout-out premium of 0.8 points and an opening / closing commission of £0.10. You hold your trade for two nights, with a closing price of 7488 on both evenings.

**Current UK LIBOR rate** = 0.37%

You open and close your position during market hours, so the total spread charged is one point.

Total cost:

$$\text{Spread} = £10 \times 1$$

$$= £10$$

$$\text{Knockout premium (if triggered)} = 10 \times 0.8$$

$$= £8$$

$$\text{Opening / Closing commission} = (10 \times £0.10) \times 2$$

$$= £2$$

$$\text{Overnight funding} = 2 \times (£10 \times 7488 \times (2.5\% + 0.37\%)/365)$$

$$= £11.78$$

$$\text{Total cost} = £31.78$$

### SHARES

#### THE COSTS AND CHARGES

When you open a barrier option on one of our shares markets, you'll pay:

1. A commission charged on opening and closing of the trade
2. A knock-out premium, which is charged in full if the knock-out level is triggered. This may be partly charged if the knock-out premium amount changes between the opening and closing of the trade. This can sometimes happen due to expected volatility
3. An overnight funding charge (if you hold your position past 1am UK time)

#### SHARES BARRIER EXAMPLE

Imagine that you're buying 0.5 of a contract (1 contract = 100 shares) of the Apple \$200 Call, with a knockout-out premium of 60 points (0.3%) and an opening / closing commission of \$15. You hold your trade for two nights, with a closing price of \$210 on both evenings.

<b>Current US LIBOR rate</b>	= 1.8%
<b>Total cost:</b>	
<b>Opening / Closing commission</b>	= \$15 x 2 = \$30
<b>Knockout premium (if triggered)</b>	= 0.5 x 60 = \$30
<b>Overnight funding</b>	Number of Shares Current US LIBOR rate = 2 x (50 x 210 x (2.5% + 1.8%)/360) <small>Closing price</small> = \$1.25
<b>Total cost</b>	Commission Overnight funding charge = \$30 + \$30 + \$1.25 <small>Knock-out premium</small> = \$61.25

## COSTS FOR TURBO WARRANTS (TURBO24)

### INDICES, FOREX, COMMODITIES AND SHARES THE COSTS AND CHARGES

When you buy a turbo warrant (Turbo24), the issuer's potential fees are all included in the price of the turbo. There's no commission on Turbo24 at IG,<sup>1</sup> so what you pay upfront is the most you'll pay.<sup>2</sup> You also won't have any currency conversion costs as Turbo24 is euro-based.

If you hold your position past 11pm CE(S)T, the turbo issuer will make a small adjustment to your knock-out level to account for the cost of overnight funding. The result is that your turbo's price moves slightly over time. Note that this will not be an account adjustment.

On a long Turbo24, the knock-out adjustment will result in your knock-out level moving upwards over time, and on a short Turbo24, it will move downwards.

For more information, please refer to the Key Information Document and prospectus for your specific turbo.

### INDICES TURBO EXAMPLE

Imagine that you're buying 100 long FTSE turbos (100 turbos = 1 FTSE contract). The FTSE is trading at €7000. The turbos have a knock-out (KO) level of 6930 (70 points away). You hold your trade over one night. A KO premium is added to the open price; however, the premium is only charged if the KO level is hit (ie if the underlying cash mid-price falls to 6930). The KO level is adjusted daily by the funding adjustment amount (0.61). For long turbos, the funding amount is added to the KO level. For short turbos, it's deducted.

<b>Current LIBOR rate</b>	= 0.7%
<b>Admin charge</b>	= 2.5%
<b>Total cost<sup>1</sup>:</b> Open price (this is the difference between the underlying and the KO level)	= 70pts x €1 = €70
KO premium (variable before the position is opened) <sup>3</sup>	= 9pts x €1 = €9
Funding adjustment	= 0.7% + 2.5% = 3.2%
New KO level	= 6930 + (7000 x 3.2% / 365) = 6930 + 0.61 = 6930.61

### FX TURBO EXAMPLE

Imagine that you're buying 100 long EUR/USD turbos (100 turbos = 1 EUR/USD contract). The EUR/USD is trading at 1.11530. The turbos have a knock-out (KO) level of 1.09830 (170 points away). A KO premium is added to the open price; however, the premium is only charged if the KO level is hit (ie if the underlying cash mid-price falls to 1.09830). The KO level is adjusted daily by the funding adjustment amount (0.0000991). For long turbos, the funding amount is added to the KO level. For short turbos, it's deducted.

<b>Underlying tom-next<sup>4</sup></b>	= 0.64/-0.66 pts
<b>Cash mid-price</b>	= 1.11530
<b>Admin charge</b>	= 1.11530 x 0.8% / 360 = 0.0000247 = 0.247 pts
<b>Tom-next with admin charge</b>	= (0.64 - 0.247) / (-0.66 - 0.247) = 0.39 / -0.991 <sup>5</sup>
<b>Total cost<sup>1</sup>:</b> Open price (this is the difference between the underlying and the KO level)	= 170pts x €1 = €170
KO premium (variable before the position is opened) <sup>3</sup>	= 2pts x €1 = €2
Funding adjustment	= 0.991 pts (charge therefore we add to KO level)
New KO level	= 1.09830 + 0.0000991 = 1.0983991

## COSTS FOR TURBO WARRANTS (TURBO24s) (CONTINUED)

### COMMODITIES TURBO EXAMPLE

Imagine that you're buying 100 long Oil – US Crude turbos (100 turbos = 1 Oil contract). Oil – US Crude is trading at €6085. The turbos have a knock-out (KO) level of 5905 (180 points away). A KO premium is added to the open price; however, the premium is only charged if the KO level is hit (ie if the underlying cash mid-price falls to 5905). The KO level is adjusted daily by the funding adjustment amount (0.182). For long turbos, the funding amount is added to the KO level. For short turbos, it's deducted.

<b>Price of front future</b>	= 6092
<b>Price of next future</b>	= 6084
<b>Days between expiry</b>	= 34
<b>Basis</b>	= 1.11530
<b>Admin charge</b>	= (6084 – 6092) / 34 = -0.235 pts
<b>Total cost<sup>1</sup>:</b>	
Open price (this is the difference between the underlying and the KO level)	= 180pts x €1 = €180
KO (variable before the position is opened) <sup>3</sup>	= 2pts x €1 = €2
Funding adjustment	= Basis + admin charge = -0.235 + 0.417 = 0.182
New KO level	= 5905 + 0.182 = 5905.182

### SHARES TURBO EXAMPLE

Imagine that you're buying 10 long Apple turbos (10 turbos = 1 Apple share). Apple shares are trading at €130 each. The turbos have a knock-out (KO) level of 117 (13 points away). A KO premium is added to the open price; however, the premium is only charged if the KO level is hit (ie if the underlying cash mid-price falls to 117). The KO level is adjusted daily by the funding adjustment amount (1.84). For long turbos, the funding amount is added to the KO level. For short turbos, it's deducted.

<b>Current US LIBOR rate</b>	= 0.096%
<b>Admin Charge</b>	= 5%
<b>Total cost<sup>1</sup>:</b>	
Open price (this is the difference between the underlying and the KO level) <sup>1</sup>	= 13 x €1 = €13
KO premium (variable before the position is opened) <sup>3</sup>	= 0.78pts x €1 = €0.78
Funding adjustment	= 5% + 0.096% = 5.096%
New KO level	= 117 + (130 x 5.096/360) = 117 + 1.84 = 118.84

<sup>1</sup> A commission applies to Turbo24 trades with a notional value equal to 300€ or less. You can find full details of our commission charges on our website.

<sup>2</sup> For Turbo24 on the Italy 40 index and Italian shares only, the Italian Financial Transaction Tax (IFTT) applies.

<sup>3</sup> Only paid if the knock-out level is hit.

<sup>4</sup> See Appendix C: What is tom-next?

<sup>5</sup> We use this number in the funding adjustment as we are long.

## APPENDIX A – FORMULA SHEET

These are the formulae you'll find used throughout this document, displayed here for quick reference.

### CURRENCY CONVERSION FEE

**0.5% x conversion rate**

### COMMODITIES

#### OVERNIGHT FUNDING ADJUSTMENT

**EITHER Trade size x (basis + IG charge)** for long trades on upward-sloping futures curves, or short trades on downward-sloping futures curves; trades in which you will pay the basis.

**OR Trade size x (basis - IG charge)** for short trades on upward-sloping futures curves, or long trades on downward-sloping futures curves; trades in which you will receive the basis.

#### BASIS

$(P3 - P2) / (T2 - T1)$

P2 = price of front future

P3 = price of next future

T1 = expiry date of the previous front future

T2 = expiry date of the front future

#### IG CHARGE

**Undated mid price x 2.5% / 360\***

The undated mid price is a snapshot of the mid price of the cash CFD on the relevant date.

### FOREX

#### OVERNIGHT FUNDING CHARGE

**(tom-next rate including annual admin fee) x trade size**

#### ANNUAL ADMIN FEE

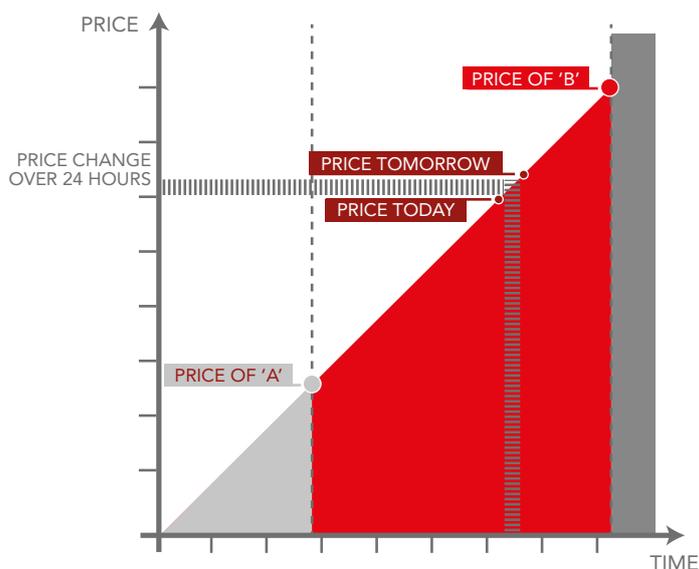
**Cash mid price x 0.8%** for CFDs, spread bets and mini contracts.

### SHARES AND INDICES

#### OVERNIGHT FUNDING CHARGE

**Market closing price x trade size x (admin fee +/- applicable interbank rate) ÷ 360\***

Our admin fee is 2.5% for standard CFD contracts, and 3% for minis. If your position is long, you pay LIBOR (or the equivalent interbank rate). If you're short, you receive it.



To price our undated commodity markets, we use two futures contracts on the underlying commodity. For each market we look at the contracts that have sufficient liquidity, then use the two with the nearest expiry dates.

The one that has the closest expiry date is called the front month contract, and is labelled 'A' in our diagram. The one with the second-nearest expiry date is called the back month contract and is labelled 'B'.

As soon as the previous contract expires, the price we offer is equal to the price of 'A'. When 'A' expires, 'B' becomes the front month contract, and our price is equal to the price of 'B'.

In between these two expiry points, our price gradually moves from the price of 'A' towards the price of 'B'. Depending on the commodity, the price of 'B' can be higher or lower than the price of 'A'.

### WHAT THIS MEANS FOR OVERNIGHT FUNDING

Our undated price will predictably and regularly move along this curve with the passage of time, rather than in reaction to actual stimuli. As a result, you're not eligible to make a profit or loss on the movement. Each overnight funding adjustment for these markets reflects this, crediting or debiting one day's movement along the forward curve from the price of 'A' towards the price of 'B'.

If you have a long position on a 'rising' market (more accurately, a market with an upward-sloping curve), your account will be debited by the amount the market has 'risen' (or rather, progressed along the curve) that day. Conversely, you won't lose anything if you have a short trade on a market with an upward-sloping curve – we'll credit your account the necessary amount.

\* For the majority of markets, a division of 360 is applied. For markets denominated in GBP, SGD and ZAR, a division of 365 is applied.

\*\* An exception to the T+2 settlement is USDCAD which will settle on a T+1 basis.

Tom-next is short for tomorrow-next day, the means by which forex speculators avoid taking physical delivery of currency and are able to keep forex positions open overnight.

Like commodities, forex trades would – if left unchecked – normally result in the trader taking delivery of the asset they have traded. In forex the expected delivery day is two days after any transaction. In order to keep a trade open overnight, forex providers will swap any overnight positions for an equivalent contract that starts the next day. The price difference between the two contracts is called the tom-next adjustment.

Tom-next is calculated by adjusting the closing level of the open position with the interest rate of the currencies involved. If you are buying a currency with a higher interest rate then you receive an interest payment, if you are buying a currency with a lower interest rate you have to pay interest.