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T24 – Induction training "Forex"

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## General remark

## **PLEASE NOTE:**

- The screenshots in this manual have been taken from the T24 model bank. This is the initial set up of T24.
- ➤ If your T24 system is already customized than the screens and menus in T24 may look different.
- ➤ The basic functionality explained in the manual will be anyway the same as in your T24 system.



01	Learning objectives
02	Basics of Forex module
03	Process 1: Performing Forex deals
04	Process 2: Enquiries and COB reports





# Learning objectives

- To learn what T24 Forex is used for
- Features of the Forex module
- Capture Forex deals
- Enquiries and COB reports





01	Learning objectives
02	Basics of Forex module
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## Product overview

## **Types of Forex deals**





- Value date of the transactions is earlier then 3 working days after "Today"
- Only "mark-to-market" revaluation method is allowed

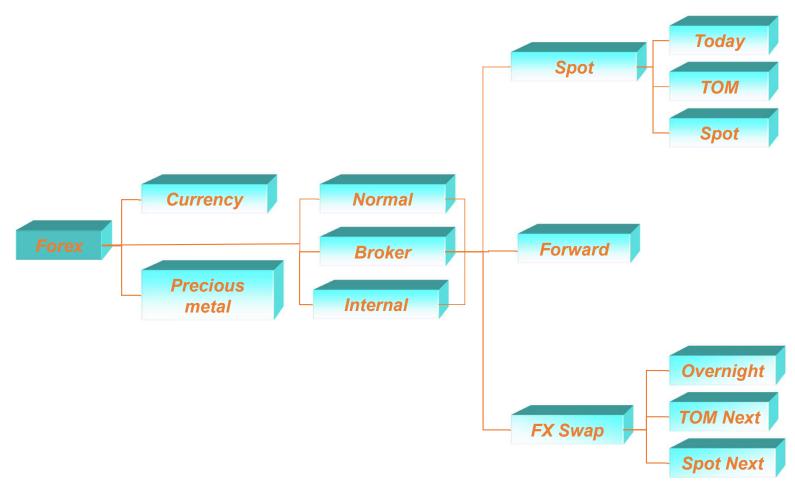


- Value date of the transactions is later then 2 working days after "Today"
- 5 different revaluation methods are allowed



- The amounts in the two currencies will be first exchanged and later re exchanged => the deal has 2 legs
- "Straight line funding" revaluation method is used

## T24 Forex - Product Overview



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T24-Induction training "Forex"

01	Learning objectives
02	Basics of Forex module
03	Process 1: Performing Forex deals





## T24 Forex spot deals

- Spot is simultaneous buying and selling of two currencies for prompt delivery (generally after 2 working days or less)
  - Today and Tom(orrow) are by-products and are input by giving suitable delivery date
  - Spot rate EUR / USD = 1.12
- For a Spot deal, the following important fields are mandatory
  - Counterparty customer Id / mnemonic
  - Currencies bought and sold (from **OUR** perspective) and
  - Two of the three Fields
    - Amount bought / Amount sold / Spot rate for the deal
  - Value dates: date, at which the amounts will be exchanged. The value date can be latest two working days after today (value date for buy and sell side is normally the same)
  - The settlement accounts for the counterparty get defaulted at validation and can be checked/ changed in the "Settlement" screen



## Workshop 1 "Create a FOREX spot deal"



- Use User Menu > Treasury Operations > Forex & Forex Trader > Front Office > Forex Trader > Forex Deals > Capture Forex Spot Deal
- Use tab "Inter Bank"
  - Counterparty is 100473
  - Deal date and value dates shall be "today"
  - Buy 1 million EUR at a spot rate of 1.11 and sell USD
  - Validate the records and observe the defaulted limit and settlement accounts in the tab "Settlement Instructions". If no accounts have been defaulted, ask the trainer for help
  - Commit the record and accept the override messages



## Workshop 1 - solution

Counterparty

Deal Date

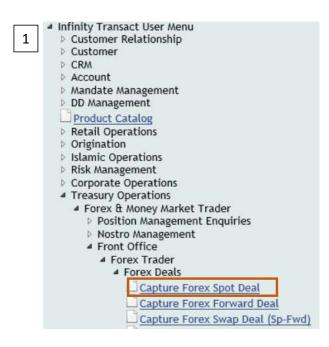
Dealer Desk

Currency Bought

Currency Sold

Spot Rate

Workshop





Bank Of Tokyo

Buy Amount

Sell Amount

Limit Reference

ALL

US Dollar

Settlement Instructions Delivery Audit

00 📀 🞑

🚯 EUR 📀 🙆

USD 📀 🞑

1.11

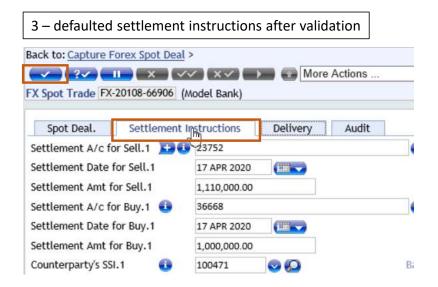
**Q** 



Value Date Buy 20200417

Value Date Sell 20200417

# Workshop 1 - solution





## T24 Forex – settlement instructions





- ➤ If the counterparty **is not a bank and settlement accounts exist** in the respective currency => First account of the customer
- ➤ If the counterparty is a bank or no settlements accounts exist in the respective' currency => Account specified in the record for the respective currency in the NOSTRO.ACCOUNT table

#### Field "Counterparty's SSI" (= customer for the final settlement)

- ➤ If for the counterparty an AGENCY record exists and the customer for the final settlement for the respective currency is specified => take this customer
- > Otherwise this field or the field "Cparty Corr. Address" must be filled out manually

The **NOSTRO.ACCOUNT** table contains the nostro accounts, which will be defaulted as settlement accounts in trades – if no customer account for the counterparty exists

The **AGENCY** table contains for banks currency wise the customers (other banks), which will be defaulted as final institution for the settlement for the respective currencies



## T24 Forex – linked actions after deal authorization

# The following activities happen automatically, when Forex deals get authorized



- ✓ Update of the balances
- ✓ Checking of the attached limit (if any LIMIT record is already set up for Forex deals for the counterparty) or creation of a "Dummy" LIMIT-record
- ✓ Only if the value date is "Today" Online generation of the accounting entries
- ✓ Generation of the messages (counterparty advice and/or SWIFT message)



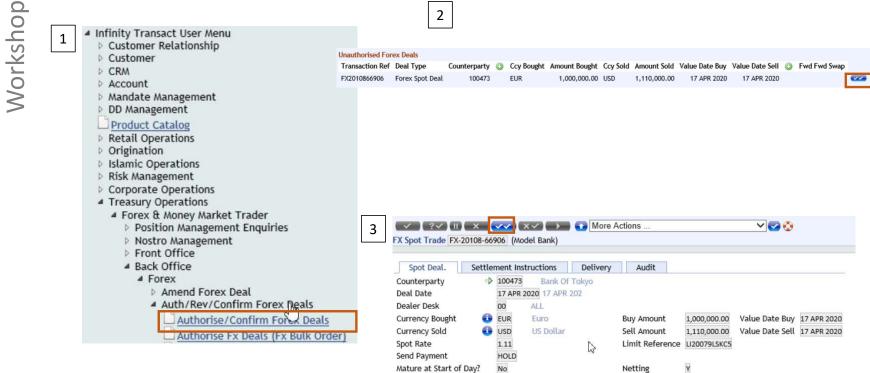
## Workshop 2 "Authorize the FOREX spot deal"

# Workshop



- Use User Menu > Treasury Operations > Forex & Forex Trader > Back Office > Forex > Auth/Rev/Confirm Forex Deals > Authorise/ **Confirm Forex Deals** 
  - Login with a different USER or ask your neighbour
  - Authorize your deal

## Workshop 2 - solution







- Use User Menu > Treasury Operations > Forex & Forex Trader > Back Office > Accounting Enquiries > View Transaction Entries
  - Check the accounting entries generated for your deal

Please note: If you don't see any, your start date in the deal was quite likely later than "today"



# Workshop

## Workshop 3 - solution

 User Menu D Customer Relationship ▶ Customer ▶ CRM ▶ Account Mandate Management DD Management Product Catalog **Retail Operations** ▶ Origination Islamic Operations Risk Management D Corporate Operations Treasury Operations ■ Forex & Money Market Trader Position Management Enquiries Nostro Management Front Office ■ Back Office ▶ Forex Money Market Accounting Enquiries View Unauthorised Entries View Transaction Entries

2 List Of Entries More Options
Clara Selection

Transaction Ref equals
Sort by Booking Date equals

3 Transaction Entry

Transaction Ref: FX2010866906

View Account Entries

See PL Category Entries

Date	Account	Customer	Company Code	Value Date	<b>Processing Date</b>	Currency	FCY Amount	LCY Amount	
17 APR 2020	EURUSD1401600010001		BNK	17 APR 2020	17 APR 2020	EUR	1,000,000.00	1,110,000.00	8
17 APR 2020	36668	100503	BNK	17 APR 2020	17 APR 2020	EUR	-1,000,000.00	-1,110,000.00	8
17 APR 2020	USDEUR1401600010001		BNK	17 APR 2020	17 APR 2020	USD	0	-1,110,000.00	8
17 APR 2020	USD1420000010001		BNK	17 APR 2020	17 APR 2020	USD	0	1,110,000.00	8



# Workshop 4 "Checking of the generated messages"



- Use User Menu > Treasury Operations > Forex & Forex Trader > Back Office > Forex > Forex Enquiries > Spot Deals Done Today
  - Check the MT300 SWIFT-message generated for your deal

Please note: If there is an error in the message parametrization for you customer, you won't see any messages



## Workshop 4 - solution





## Workshop 4 - solution

4

```
View Delivery Messages

Delivery ref Bank date Type Description Header Status Msg Status Carrier To address

D20220420755835371303 17 APR 20 300 FOREIGN EXCHANGE CONFIRMATION UNFORMATTED SWIFT.1 BOT
```

```
{1:F01DEMOGBPXAXXX.SN...ISN.}{2:I300BOTKJPJTXXXXN}{3:{108:xxxxx}}{4:
:15A/Sequence Identifier : :20/TRANSACTION REFERENCE NUMBER : FX2010866906
:21/Related Reference
                                      : NEW
                                    : NEWT
: BOTKJT0111DEMOPX
:22A/Type of Operation
:22C/Common Reference
:82A/PARTY A
:82A/PARTY A
                                      : DEMOGBPX
:87A/RECEIVER/DELIVERER OF SECURITIES : BOTKJPJT
:15B/Sequence Identifier :
:30T/Trade Date
                                      : 20200417
                                  : 20200417
: 1,11
: EUR1000000,00
: CITIDEFF
:30V/Value Date
:36/EXCHANGE RATE
:32B/CURRENCY CODE, AMOUNT
:56A/INTERMEDIARY BANK
:57A/'ACCOUNT WITH' BANK
                                      : /5522323432442344
                                         COBADEFF
:33B/Currency, Amount
                                      : USD1110000,00
:53A/SENDER'S CORRESPONDENT BANK
                                        : /577848738
                                          CITIUS33
:57A/'ACCOUNT WITH' BANK
                                        : BOFAUS33
```



## T24 Forex deals – base currency

#### Base Currency

- Deals involve two currencies, out of which one is defaulted as base currency.
- Let's assume there is a deal buying EUR and selling USD.
  - > If **EUR** is the base currency, then system evaluates the USD amount based on the EUR amount and the exchange rate => i.e. 1.000.000 EUR are how much USD
  - > If **USD** is the base currency, then system evaluates the EUR amount based on the USD amount and the exchange rate => i.e. 1.000.000 USD are how much EUR



## T24 Forex deals – value dates





- In the case of spot deals "Today" and "TOM" can be inputted as value date
- In the case of Swap deals "Overnight", "TOM next" and "Spot next" can be inputted as value date in the first leg, if it is spot
- Allowed abbreviations in the fields "Value Date..."
  - T, TO, S,
  - ON, TN, SN (In FOREX Swaps, if the first leg is spot)
  - NNA i.e. "10D", "3W" (working days), "6M" after spot.

If i.e. an FX deal is inputted with trade date "18.04.2022" and value date "1M", T24 will calculate as value date the 20.05.2022 (Spot = 20.04, one month later is the 20.05)



## T24 Forex deals – FOREX forward deals

- A FX Forward deal is buying and selling of two currencies for delivery in future. The
  delivery date (value date) must be later than the spot date. The forward period is
  calculated from the spot date.
- The forward rate normally referenced to spot rate
  - 3 months forward :GBP / USD = 1.5500 0.0150 = 1.5350
- For a forward deal, the following fields are mandatory
  - Counterparty customer Id / mnemonic
  - Name of currencies bought and sold and value date
  - Two of the three fields
    - Amount bought / Amount sold / Forward rate for the deal
    - The spot rate get's defaulted with the market rate from the CURRENCY table, when the deal get's validated
    - The forward rate can be inputted either as absolute rate, or a difference to the spot rate (with or without pips)
    - Example without pips: Spot rate = 1.11 and forward rate inputted as "+0.02" => When validated, the forward rate will get calculated as 1.13 (= 1.11 + 0.02)
  - Value date



## T24 Forex deals – pips

The forward rate can be also expressed as "pips".

The digits for the pips can be defined currency wise in the CURRENCY table.

#### **Example:**

- The spot rate is 1.5000
- The forward rate shall be 1.4925
- The Quotation Pips for the respective currency are "4" => field "Quotation Pips" in the respective record in the CURRENCY table contains the value "4"
- So the difference between the spot- and the forward rate is -0.0075
- Because of the 4 pips the RM need to input as forward rate "-75"



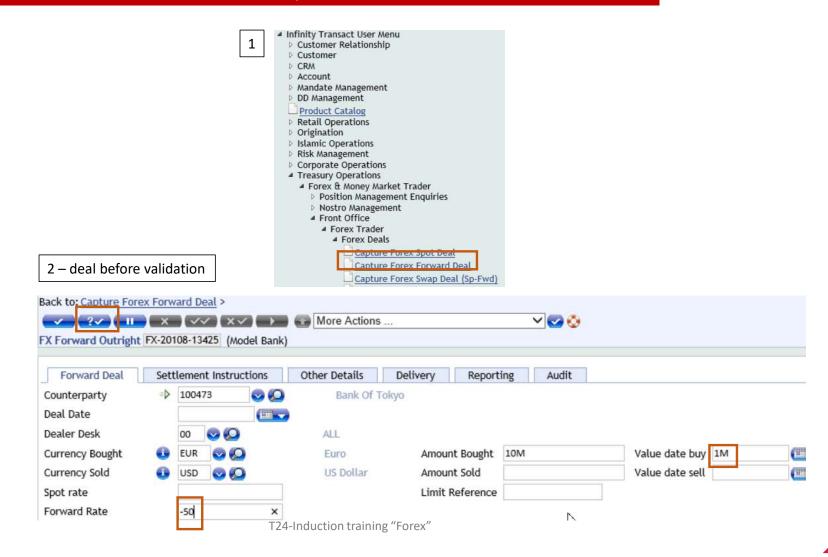
## Workshop 5 "Create a FOREX forward deal"



- Use User Menu > Treasury Operations > Forex & Forex Trader > Front Office > Forex Trader > Forex Deals > Capture Forex Forward Deal
- Use tab "Inter Bank"
  - Counterparty is 100473
  - The value dates shall be 1 month after spot
  - Buy 10 million EUR and sell USD
  - The forward rate shall be 0.0050 less then the spot rate (quotation pips for EUR are set to "4")
  - Commit the record and accept the override messages



## Workshop 5 - solution





## Workshop 5 - solution

3 – deal after validation



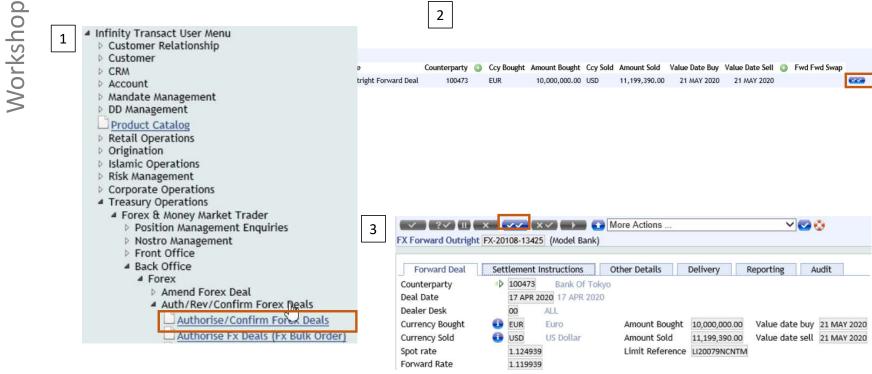


## Workshop 6 "Authorize the FOREX forward deal"

# Workshop



- Use User Menu > Treasury Operations > Forex & Forex Trader > Back Office > Forex > Auth/Rev/Confirm Forex Deals > Authorise/ **Confirm Forex Deals** 
  - Login with a different USER or ask your neighbour
  - Authorize your deal



## T24 Forex deals – FOREX swap deals

- "Forex Swap" is the exchange of currencies on one date (spot date or forward) with an agreement to re exchange the currencies at a specified date and rate (forward)
- E.g. 6 months EUR / CHF Forex swap
  - Near leg Buy / sell SPOT @ 0.9300
  - Far leg Sell / Buy FORWARD @ 0.9347
- For a Forex Swap deal, while inputting the first leg, Forex swap base currency field will be defaulted as one of the currency involved in the deal
  - On committing the spot leg, the system automatically opens the screen the second leg for the forward deal with partial information. The amount in the FX swap base currency is retained, but can be amended. The other currency amount will vary as per the forward rate specified
  - Overnight, Tom-Next, Spot-Next, etc. are by-products and are input by giving suitable delivery dates

**Please note:** Both legs have a separate Id, but T24 knows that both legs belong together. When the first leg is committed, T24 leads you directly to the second leg. The swap deal in total is only committed, when the second leg got committed

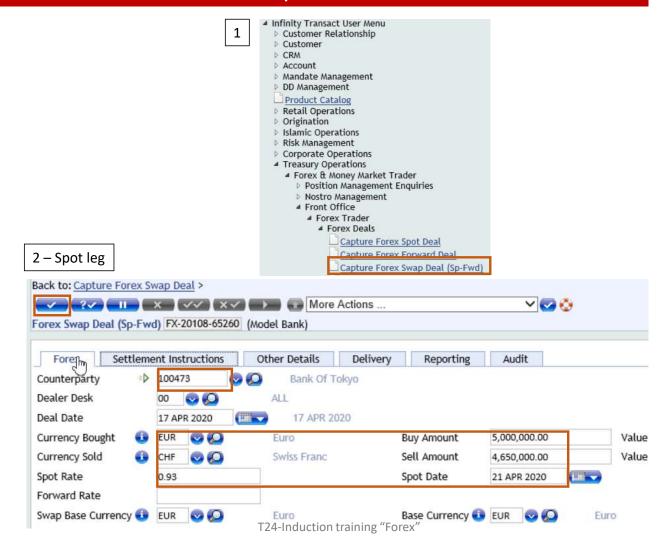


## Workshop 7 "Create a FOREX swap deal"



- Use User Menu > Treasury Operations > Forex & Forex Trader > Front Office > Forex Trader > Forex Deals > Capture Forex Swap Deal (Sp-Fwed)
- Use tab "Inter Bank"
  - Counterparty is 100473
  - For the spot leg: The value dates shall be at spot date
  - Buy 5 million EUR and sell CHF with a spot rate of 0.9300)
  - For the forward leg: The forward rate shall be 0.9350
  - The value dates shall be 1 month after spot
  - Commit the records and accept the override messages

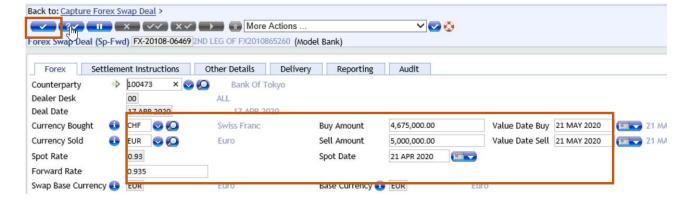
## Workshop 7 - solution





## Workshop 7 - solution

#### 3 – Forward leg





## Workshop 8 "Authorize the FOREX swap deal"

# Workshop

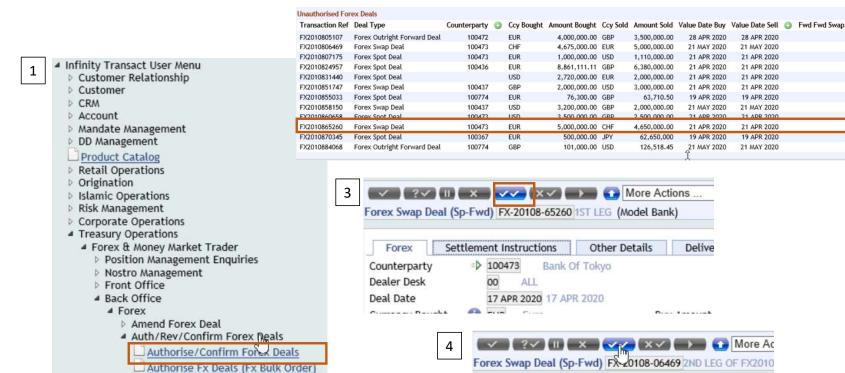


- Use User Menu > Treasury Operations > Forex & Forex Trader > Back Office > Forex > Auth/Rev/Confirm Forex Deals > Authorise/ **Confirm Forex Deals** 
  - Login with a different USER or ask your neighbour
  - Select the first leg of your swap deal and authorize the complete swap deal (if you try to start from the second leg the authorization won't work)



# Workshop 8 - solution

Workshop



Accept Overrides

Forex

Counterparty

Authorising the 2nd leg swap deal - FX2010806469

Settlement Instructions

ALL

▶ 100473

Other Details

Bank Of Tokyo



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01	Learning objectives
02	Basics of Forex module
03	Process 1: Performing Forex deals
04	Process 2: Enquiries and COB reports





## Enquiries

#### **Enquiries can be performed in the following menus:**

- > For the front office: *User Menu > Treasury Operations > Forex & Money Market Trader > Front Office > Forex Enquiries*
- ➢ For the back office: User Menu > Treasury Operations > Forex & Money Market Trader > Back Office > Forex > Forex Enquiries

#### Some of the available enquiries are:

- Forex Positions
  - Displays currency wise the spot-, forward- and A/L (Assets and liabilities)-positions.
- List of spot deals done today
  - Displays a list of all spot deals done today.
- Position movements for today and yesterday
  - Displays a list of all transactions, which caused movements in the position of the chosen currency
- Deals maturing in next 5 days.
  - Displays a list of all FX deals, that will mature in the next 5 days.

In the next slides you see screenshots for two enquiries



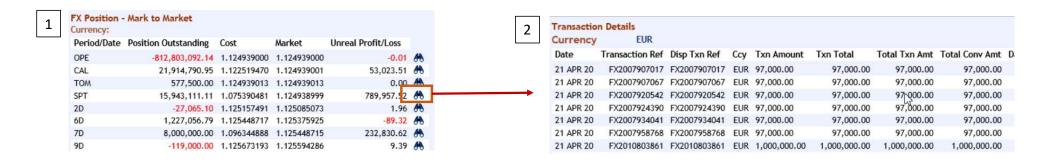
## Enquiries

Enquiry "Forex revaluation".

# User Menu > Treasury Operations > Forex & Money Market Trader > Front Office > Forex Enquiries

Here are displayed for a currency value date wise the amounts and the average cost rate, the market rate and the unrealized profit and losses because of the different rates.

For each value date it can be drilled down to the list of trades, which built the position for the respective value date

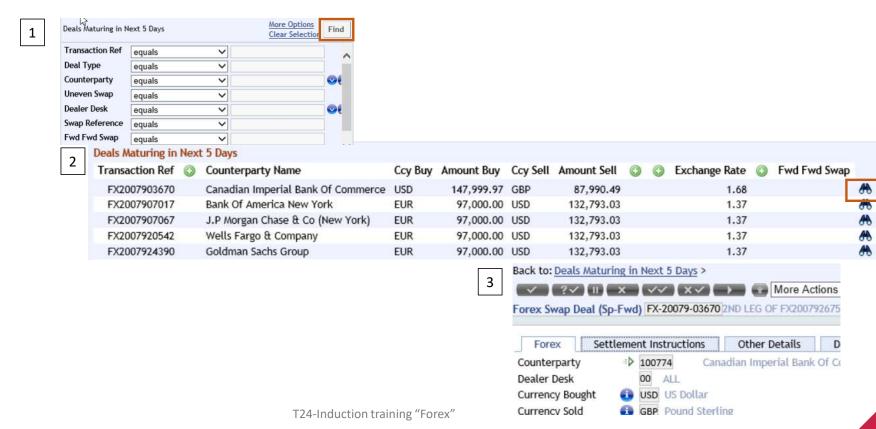




## Enquiries

Enquiry "Deals Maturing in next 5 days"

 User Menu > Treasury Operations > Forex & Money Market Trader > Back Office > Forex > Forex Enquiries



## **COB** Reports

## COB reports can be checked in the following menu:

- User Menu > Treasury Operations > Forex & Money Market Trader > Back Office > Forex > Forex COB Reports
- Most reports refer to positions, revaluation of positions and deals



In the next slide you see screenshots for the COB report, which contains for each leg of not matured FX transactions the "Net present value" details including the revaluation method used



## **COB** Reports

## Report "FX Revaluation NPV Details"

 User Menu > Treasury Operations > Forex & Money Market Trader > Back Office > Forex > Forex COB Reports

selection	screen	eport name	Date Created	Time Created	Batch	Request	ed By	Hold ID	
	BNK	REVALUATION.NP	V 19 JUL 2020	11:05	Υ	REVALUA	TION.NPV.DETS	1919436059399310	2 48
				<b>3</b> 1 2	345	<b>22</b>		G	
	'LL' FX000634	MODEL BANK. DETA	LILED REVALUATION R	EPORT (AT NET PR	ESENT VALU	E) FOR CI	LOSE OF BUSINESS	16 APR 2020	PAGE 1
	TRANSACTION REFERENCE	CURRENCYMATURIT DATE (DAY	Y REVAL (S) RATE	UATION E TYPE	(Currency CURRENCY	Market) = AMOUNT	LOCAL CURRE ORIGINAL VALUE &	00 (ALL) ======= NCY EQUIVALENT AFTER REVALUATION	UI
	FX2007950398 0.00	GBP 27/04/20 0.00	1.252656000	IN	-100,	000.00	-125,265.60	-125,265.60	
	FX2007950398 0.00	USD 27/04/20 0.00	1.000000000	IN	145,	000.00	145,000.00	145,000.00	
		TOTAL FOR FX2007950	0.000000000	0.00		0.00	19,734.40	19,734.40	
	0 00		0.00000000	0.00		0.00			
	0.00								
Report	0.00						-		
	FX2007902407	EUR 19/06/20(	(60) 1.129426508	RB	-97,	000.00	-132,453.50	-109,554.37	-22
		EUR 19/06/20(	(60) 1.129426508 (60) 1.000000000	RB RB		000.00	-132,453.50 132,453.50	-109,554.37 132,453.50	-22



T24-Induction training "Forex"



Different types of Forex deals

Capturing Forex deals

Enquiries & COB reports





# Thank you

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