

Evolve UX Wireframes

# Manual Ticket Entry

Version 0.18 (7 Nov 2013)

## Version History

Document Name	Author	Date Modified	Notes
Evolve UX Wireframes - Manual Ticket Entry_v0.01	Ben Campbell	30 Aug 2013	Document Created
Evolve UX Wireframes - Manual Ticket Entry_v0.02	Ben Campbell	06 Sep 2013	Addition of confirmation examples, quick mode button and page, display/position options
Evolve UX Wireframes - Manual Ticket Entry_v0.03	Ben Campbell	09 Sep 2013	Change 'Manual Ticket' button to 'Manual Trade'. Client confirmation on location of ticket to be above blotter. Removal of quick entry mode. Addition of Comment field, contra amount, change margin to dynamic and non-editable, addition of trade details on submission receipt state. Addition of examples of with and without validation
Evolve UX Wireframes - Manual Ticket Entry_v0.04	Yooch Wan	10 Sep 2013	Illustrate positioning of manual ticket entry against quidgets when blotter is maximised. Show blotter and manual ticket entry when browser width is below a minimum width therefore resulting in horizontal scrollbars.
Evolve UX Wireframes - Manual Ticket Entry_v0.05	Yooch Wan	11 Sep 2013	Show auto-complete behaviour when entering ccy-pair and counterparty in manual ticket. Added note for development team to consider potential issue with rendering HTML dropdown menus against and over the Flex-based blotter.
Evolve UX Wireframes - Manual Ticket Entry_v0.06	Yooch Wan	12 Sep 2013	Added 'clear item' and 'clear all items' buttons back to Blotter in Notifier Mode, to show buttons in relation to position of 'manual trade' button.
Evolve UX Wireframes - Manual Ticket Entry_v0.07	Ben Campbell	16 Sep 2013	Removal of 'No Validation' page. Updates inline with BRD doc (v0.2): Addition of Region field, Value date field, moved Reason for trade field into hidden area of ticket. Addition of indicative rates into flow. Reversed order from BRD doc of Portfolio and Region. Added Consideration of field order page.
Evolve UX Wireframes - Manual Ticket Entry_v0.08	Ben Campbell	18 Sep 2013	Addition of quidget layout example. Additional detail on Counterparty entry consistent with evolveFX UI patterns. Removal of layout considerations page. Updated order of fields on manual ticket following business feedback.
Evolve UX Wireframes - Manual Ticket Entry_v0.09	Ben Campbell	20 Sep 2013	Update to search entire counterparty database workflow to be consistent with evolveFX institutional (allocation) workflow. Addition of Value Date to Quidget layout ticket
Evolve UX Wireframes - Manual Ticket Entry_v0.10	Ben Campbell	30 Sep 2013	Removal of layout options, duplication of layout options from: <b>evolveFX- UX Designs - Manual Ticket Entry _v2</b>
Evolve UX Wireframes - Manual Ticket Entry_v0.11	Ed Clayforth-Carr	16 Oct 2013	Added specific user feedback comments.
Evolve UX Wireframes - Manual Ticket Entry_v0.12	Yooch Wan	17 Oct 2013	Added ticket entry confirmation & failures, form control behaviours. Minor layout changes and page re-numbering.
Evolve UX Wireframes - Manual Ticket Entry_v0.13	Ed Clayforth-Carr	30 Oct 2013	Added benchmark control. Amended ordering of parameters based on user feedback. Added keystroke examples and tabbing order. Added buy/sell and notional entry behaviours. Ticket confirmations updated to replicate new parameter layout.
Evolve UX Wireframes - Manual Ticket Entry_v0.14	Ed Clayforth-Carr	31 Oct 2013	Added notes regarding benchmark field details on page 6, confirming bid/offer is a read-only value.
Evolve UX Wireframes - Manual Ticket Entry_v0.15	Ed Clayforth-Carr	1 Nov 2013	Page 5, Point 14: Note added detailing that available options may increase in the future. Point 18: Addition of portfolio pre-population rule. Page 6, Point 5: Amended how bid/offer pips will be calculated. Page 7 & 9: Addition of details on new functionality to change notional currency via the use of the spacebar. Page 11: Addition of information on what to show when live rates are unavailable. Addition of business rule alert for client rate.
Evolve UX Wireframes - Manual Ticket Entry_v0.16	Ed Clayforth-Carr	5 Nov 2013	Page 5, point 13: Detailed client rate will be pre-populated with an indicative rate. Page 7: Note added detailing invert button control is not included in this first release.
Evolve UX Wireframes - Manual Ticket Entry_v0.17	Ed Clayforth-Carr	5 Nov 2013	<b>DOCUMENT APPROVED</b> Page 6 & 8: Removed mid-rate from ticket when benchmark is selected.

## Version History

Document Name	Author	Date Modified	Notes
Evolve UX Wireframes - Manual Ticket Entry_v0.18	Ed Clayforth-Carr	7 Nov 2013	Page 5, point 14: List of available options amended for order type control. Page 5, point 18: Note updated detailing how portfolios are selected. Region title changed to 'Risk Centre' Drag control removed

## Outstanding Questions

Document Name	Date	Question	Question to
Evolve UX Wireframes - Manual Ticket Entry_v0.08	18 Sep 2013	Visual format of ticket. Ticket or quidget? A: TICKET	Business
		If we implement the ticket layout how do we position the ticket when it is expanded and the blotter is maximised?	Business
		Will we show submission failures? A: DOCUMENTED IN PACK IN CASE	Dev
		Will counterparty search results be limited to region selected on ticket?	Business/Dev
		Which counterparty name formats will be available in which releases?	Business/Dev
		Assuming the counterparty data set will be 'Your Relationships' is the existing institutional workflow for 'Counterparty not found' acceptable?	Business/Dev
Evolve UX Wireframes - Manual Ticket Entry_v0.10	30 Sep 2013	Should the ticket be modal?	Business
		If the ticket is not modal, what happens when focus shifts from the ticket? In particular if user enters 'Edit Mode' or changes canvases	Business
		What are the rules for the persistence of data in the ticket?	Business

## Specific User Feedback

Document Name	Date	Sales Desk / Sales person	Comment	Status
Evolve UX Wireframes - Manual Ticket Entry_v0.08	10 Oct 2013	London Hedgefunds / Chris Smith	Are we able to enter CCY2 notionals? i.e. Bank buys USD sells JPY 2bn	Included in pack page 9
	10 Oct 2013	New York Corporate Sales / Matthew Novack	<ul style="list-style-type: none"> <li>- Will the manual ticket eventually include FX forward strips? Would be good to book collectively instead of as individual tickets.</li> <li>- Will it be possible to enter the date in a number of formats and the application re-formats appropriately? For example for 1 Jan 14 be able to enter, "1 jan 14" or "1 1 14" or "1/1/14"</li> </ul>	Forward strips not to be included in this pack. Date selection details to be added when forwards made available on the manual ticket.
	10 Oct 2013	London Banks / Mitul Patel	Can I add a Trade memo? e.g. DVP (Delivery Versus Payment)	Not to be included in this version
	10 Oct 2013	London Corporate Sales / Caroline Bradley	<ul style="list-style-type: none"> <li>- Can some of the options be predictive? e.g Direction - you don't have to select the dropdown you can just type "b" and it selects the buy option.</li> <li>- Can I just tab through it all?</li> <li>- Can we add VA/PC?</li> <li>- Instead of trade confirmed we need to see the ref number as well.</li> </ul>	Included in pack page 5 - 9
	30 Oct 2013	London Institutional Sales / Kate Wright	Based on version 13 of this document: <ul style="list-style-type: none"> <li>- Preference is to not have to specify a currency pair up front. Prefer to be able to populate via entering specifics of the trade first such as: 'S EUR 10M USD'</li> </ul>	Not to be included in this version

# Manual Trade Button

The Manual Ticket will be launched via the Manual Trade button situated on the blotter

## Blotter in expanded mode



1. Manual Ticket button

## Blotter in notifier mode



1. Manual Ticket button

# Ticket Layout

Required fields will be shown and highlighted by default.

## Spot Trade Entry

1: Product set to SPOT for this release. Future releases will introduce a product selector control.

2: Value date. Non-editable for spot.

3: First field in focus. Current ccy picker behaviour. (See appendix: Searchable Drop-down currency pairs for further info)

4: By default no direction is specified. On focus user can type 'B' or 'S' to quick select a direction.

5: CCY1 auto populates with base currency. User can type and change to term ccy if required.

6: Blank amount by default. Accepts abbreviations of amounts (10M for example). Same behaviours as current quidget amount fields.

7: CCY2 auto populates with term currency. If the user changes CCY1 to the term then CCY2 updates to show base.

8: CCY2 amount is calculated as soon as a rate is available.

9: Pre-populated with the currently selected counterparty in the application header. If no counterparty is selected then the user must specify one. (See appendix: Searchable Drop-down for further info)

10: Selecting Benchmark turns the trade in to a benchmark trade. Additional parameters are shown.

11: Mid-rate is shown as soon as a ccy pair, direction and notional has been provided.

12: Trader rate is shown as soon as a ccy pair, direction and notional has been provided. The big figures will be highlighted so the user can edit the figures on the first keystroke.

13: Client rate is auto-populated with the same indicative trader rate (identical behaviour as detailed above).

14: Used to calculate production credits the possible available values will be;  
 - Axe  
 - At Best  
 - One-way  
 - Two-way  
 - Stop Loss  
 - Take profit  
 - Bench  
 \*This list may be added to over time.

15: Production credit value: shown as read-only value

16: VA value: shown as read-only value

17: Business Origination will be pre-populated based on the counterparty selected but can be amended. Available options are;  
 - PCM  
 - Trade Finance  
 - Global Markets

18: Portfolio should be pre-populated based on the currency pair and risk centre selected. If this mapping behaviour is not available then portfolio will be blank by default. User will be able to type and see a filtered list of possible matches to select.

19: Will default to the region of the user.

20: Submitting the ticket is only available once all required fields (\*) denotes a required field) have been provided and are valid.

21: Clears the form setting it back to it's original state.

22: Closes the ticket but retains any entered data.

23: The ticket can be grabbed and moved around the canvas.

### Specific behaviours

The following fields will be pre-populated with an indicative rate as soon as one can be calculated;

- Mid rate
- Trader rate
- Client rate

These fields will continue to show a \* until the user has tabbed through the fields and / or changed them. After which a ✓ will be shown.

**MANUAL TRADE**

✓ PRODUCT: 1 SPOT

✓ VALUE DATE: DDDMMYYYY 2

\* CCY PAIR: 3 [dropdown] 4

\* BUY/SELL: [dropdown] 4

\* CCY1: 5 [input]

\* AMOUNT: [input] 6

CCY2: 7 [input]

AMOUNT: - 8

✓ COUNTERPARTY: 9 ABC WIDGETS & CO [dropdown]

BENCHMARK: [input] 10

\* MID RATE: 11 [input]

\* TRADER RATE: [input] 12

\* CLIENT RATE: [input] 13

---

\* ORDER TYPE: [dropdown] 14

PC (\$): 15 000000

VA (\$): 0 16

---

✓ BUSINESS ORIGINATION: GLOBAL MARKETS [dropdown] 17

\* PORTFOLIO: [input] [dropdown] 18

✓ RISK CENTRE: HBEU [dropdown] 19

20 [SUBMIT]

21 [RESET] 22 [CLOSE]

23 [grab handle]

# Ticket Layout Continued

Alternative trade entry data will be shown depending on selections made

## Benchmark Trade Entry

1: On checking the benchmark control additional controls are shown in place of the following;

- Trader rate

The benchmark should be selectable via the 'spacebar' keyboard action.

2: Ability to select a fixing source.

Available options will depend on the currency pair selected.

3: Ability to select a fixing time.

Available options will depend on the currency pair selected.

4: Fixing rate. Will be shown as soon as can be calculated. User will need to edit or confirm the indicative rate shown by typing or tabbing through.

5: Bid/Offer rate. Value will be read-only and based on a static spread matrix to be supplied by trading.

6: Order type is set to Benchmark and control is disabled.

**MANUAL TRADE**

✓ PRODUCT: SPOT

✓ VALUE DATE: DDDMMYYYY

\* CCY PAIR:  ▼

\* BUY/SELL:

\* CCY1:

\* AMOUNT:

CCY2: -

AMOUNT: -

✓ COUNTERPARTY: ABC WIDGETS & CO ▼

BENCHMARK:  1

2 \* SOURCE: - ▼

3 \* TIME: - ▼

4 \* FIX:

5 \* BID/OFFER: -

\* CLIENT RATE:

---

✓ ORDER TYPE: BENCH ▼ 6

PC (\$): 000000

VA (\$): 0

---

✓ BUSINESS ORIGINATION: GLOBAL MARKETS ▼

\* PORTFOLIO:  ▼

✓ RISK CENTRE: HBEU ▼

Ticket increases in height to accommodate additional fields.

# Ticket Examples & Keystrokes

The manual ticket can be populated solely via the users keyboard

## Example: Bank SELLS 10 Million EUR vs USD

1. Invert control is deliberately bi-passed on the tabbing order.  
**PLEASE NOTE: Inverting control is not available in this first release**




2: CCY2 Amount is calculated as soon as pair, direction, and notional are known.

### Keystrokes needed to populate key trade info

'EURUSD',	'TAB'	Specifies EURUSD
'S',	'TAB'	Selects 'Sell'
'E'	'TAB'	Confirms notional as base of EUR
'10M'	'TAB'	Sets base as 10 million



**MANUAL TRADE**

- ✓ PRODUCT: SPOT
- ✓ VALUE DATE: DDMMYYYY
- ✓ CCY PAIR: EURUSD  1
- ✓ BUY/SELL: SELL
- ✓ CCY1: EUR
- ✓ AMOUNT: 10,000,000
- CCY2: USD
- AMOUNT:  2
- ✓ COUNTERPARTY: ABC WIDGETS & CO 

## Example: Bank BUYS 10 Million USD vs EUR

1. Invert control is deliberately bi-passed on the tabbing order.  
**PLEASE NOTE: Inverting control is not available in this first release**




2: CCY2 Amount is calculated as soon as pair, direction, and notional are known.

### Keystrokes needed to populate key trade info

'EURUSD',	'TAB'	Specifies EURUSD
'B',	'TAB'	Selects 'Buy'
	'SPACEBAR'	Changes notional from base of EUR to USD
'10M'	'TAB'	Sets base as 10 million



**MANUAL TRADE**

- ✓ PRODUCT: SPOT
- ✓ VALUE DATE: DDMMYYYY
- ✓ CCY PAIR: EURUSD  1
- ✓ BUY/SELL: BUY
- ✓ CCY1: USD
- ✓ AMOUNT: 10,000,000
- CCY2: EUR
- AMOUNT:  2
- ✓ COUNTERPARTY: ABC WIDGETS & CO 

# Tab Ordering

The ticket entry follows a predictable top down tab order.

## Default tab order

- 1: CCY Pair  
(invert deliberately missed from order)
- 2: BUY/SELL
- 3: CCY1
- 4: AMOUNT
- 5: COUNTERPARTY
- 6: BENCHMARK (Selectable via spacebar)
- 7: MID RATE
- 8: TRADER RATE
- 9: CLIENT RATE
- 10: ORDER TYPE (Skipped if benchmark selected at tab 6)
- 11: BUSINESS ORIGINATION
- 12: PORTFOLIO
- 13: RISK CENTRE
- 14: SUBMIT
- 15: RESET
- 16: CLOSE

**MANUAL TRADE**

✓ PRODUCT: SPOT

✓ VALUE DATE: DDDMMYYYY

\* CCY PAIR:

\* BUY/SELL:

\* CCY1:

\* AMOUNT:

CCY2: -

AMOUNT: -

✓ COUNTERPARTY: ABC WIDGETS & CO ▼

BENCHMARK:

\* MID RATE:

\* TRADER RATE:

\* CLIENT RATE:

---

\* ORDER TYPE: - ▼

PC (\$): 000000

VA (\$): 0

---

✓ BUSINESS ORIGINATION: GLOBAL MARKETS ▼

\* PORTFOLIO:

✓ RISK CENTRE: HBEU ▼

## Benchmark tab order

- 1: CCY Pair  
(invert deliberately missed from order)
- 2: BUY/SELL
- 3: CCY1
- 4: AMOUNT
- 5: COUNTERPARTY
- 6: BENCHMARK (selectable via spacebar)
- 7: SOURCE
- 8: TIME
- 9: FIX
- 10: CLIENT RATE  
(Order type skipped)
- 11: BUSINESS ORIGINATION
- 12: PORTFOLIO
- 13: RISK CENTRE
- 14: SUBMIT
- 15: RESET
- 16: CLOSE

**MANUAL TRADE**

✓ PRODUCT: SPOT

✓ VALUE DATE: DDDMMYYYY

\* CCY PAIR:

\* BUY/SELL:

\* CCY1:

\* AMOUNT:

CCY2: -

AMOUNT: -

✓ COUNTERPARTY: ABC WIDGETS & CO ▼

BENCHMARK:

\* SOURCE: - ▼

\* TIME: - ▼

\* FIX:

\* BID/OFFER: -

---

\* CLIENT RATE:

---

✓ ORDER TYPE: BENCHMARK ▼

PC (\$): 000000

VA (\$): 0

---

✓ BUSINESS ORIGINATION: GLOBAL MARKETS ▼

\* PORTFOLIO:

✓ RISK CENTRE: HBEU ▼

# Key Behaviours

These behaviours exist to allow for quick keyboard based entry and selection.

## Direction

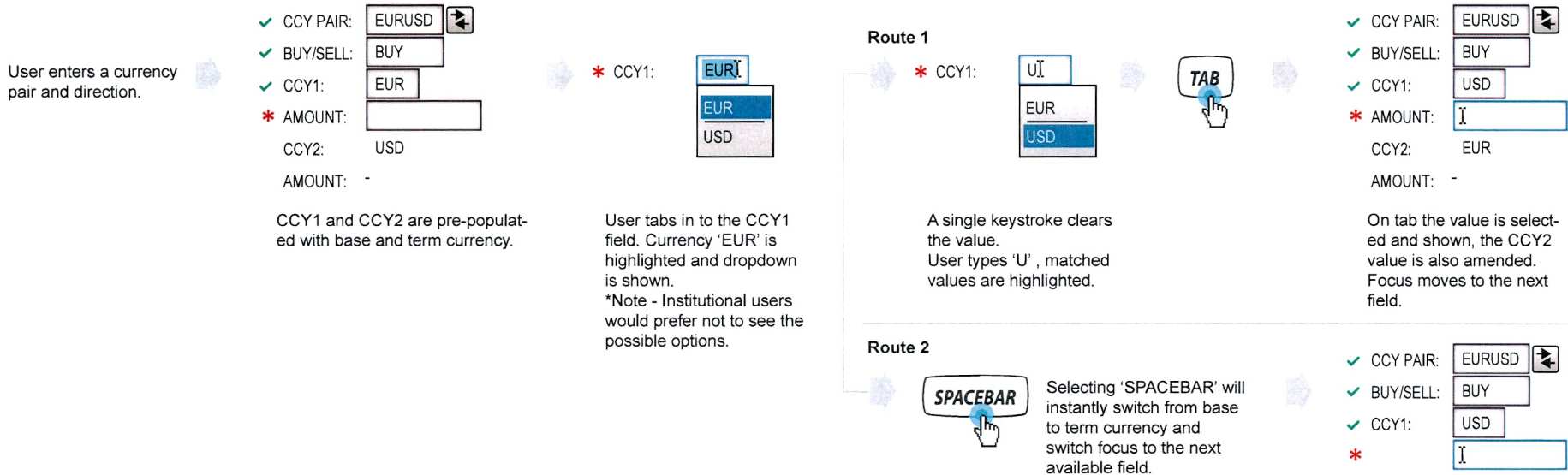


Enhanced text input field shows possible values available on focus.  
\*Note - Institutional users would prefer not to see the possible options.

As soon as user enters a matching character the value is pre-selected.

On tab the value is selected and shown. Focus moves to the next field.

## Fixing base or term notional



# Ticket Entry With Validation

Certain values will be displayed automatically with others following existing design patterns

1: Indication of an error

2: A valid currency pair and notional have been entered, indicative rate is displayed automatically.

3: Tick is not shown until user has tabbed through and accepted/ amended the rate.

4: Once all required parameters have been entered and any errors corrected the submit button is enabled.

*(See appendix: Validating button for further information)*

**MANUAL TRADE**

✓ PRODUCT:	SPOT
✓ VALUE DATE:	DDMMYYYY
* CCY PAIR:	<span style="border: 1px solid red; padding: 2px;">GBPUSF</span> <span style="background-color: red; color: white; padding: 2px;">Invalid currency pair</span>
* BUY/SELL:	<input type="text"/>
* CCY1:	<input type="text"/>
* AMOUNT:	<input type="text"/>

---

✓ AMOUNT:	<input type="text" value="1,000,000"/>
CCY2:	USD
AMOUNT:	1,548,700
✓ COUNTERPARTY:	<input type="text" value="ABC WIDGETS &amp; CO"/> ▼
BENCHMARK:	<input type="text"/>
* MID RATE:	<input type="text" value="1.5487"/>
* TRADER RATE:	<input type="text" value="1.5487"/>
* CLIENT RATE:	<input type="text" value="1.5487"/>

**MANUAL TRADE**

✓ PRODUCT:	SPOT
✓ VALUE DATE:	DDMMYYYY
✓ CCY PAIR:	<input type="text" value="GBPUSD"/> ▼
✓ BUY/SELL:	<input type="text" value="BUY"/>
✓ CCY1:	<input type="text" value="GBP"/>
✓ AMOUNT:	<input type="text" value="1,000,000"/>
CCY2:	USD
AMOUNT:	1,548,700
✓ COUNTERPARTY:	<input type="text" value="ABC WIDGETS &amp; CO"/> ▼
BENCHMARK:	<input type="text"/>
✓ MID RATE:	<input type="text" value="1.5487"/>
✓ TRADER RATE:	<input type="text" value="1.5487"/>
✓ CLIENT RATE:	<input type="text" value="1.5487"/>

---

✓ ORDER TYPE:	<input type="text" value="ONE-WAY"/> ▼
PC (\$):	000000
VA (\$):	0

---

✓ BUSINESS ORIGINATION:	<input type="text" value="GLOBAL MARKETS"/> ▼
✓ PORTFOLIO:	<input type="text" value="PORT ABCDE 1234"/> ▼
✓ RISK CENTRE:	<input type="text" value="HBEU"/> ▼

✓ SUBMIT
↺ RESET
✕ CLOSE


## Specific Errors and Validation

No live rates available

✓ CCY1:	EUR
✓ AMOUNT:	1,000,000
CCY2:	USD
AMOUNT:	1,234,567.00
✓ COUNTERPARTY:	ABC WIDGETS & CO ▼
BENCHMARK:	
* MID RATE:	No live rates
* TRADER RATE:	No live rates
* CLIENT RATE:	No live rates
-----	
* ORDER TYPE:	- ▼
PC (\$):	000000
VA (\$):	0

When rates cannot be pre-populated a simple message stating this will be shown. User will still be able to enter a rate and submit a ticket.

Client rate is further than 3% from current market rate

✓ CCY1:	EUR
✓ AMOUNT:	1,000,000
CCY2:	USD
AMOUNT:	1,234,567.00
✓ COUNTERPARTY:	ABC WIDGETS & CO ▼
BENCHMARK:	
* MID RATE:	No live rates
* TRADER RATE:	No live rates
* CLIENT RATE:	1.234567 
-----	
* ORDER TYPE:	- ▼
PC (\$):	000000
VA (\$):	0

Current client rate is further than 3% from the current market rate.


When the entered client rate is further than 3% from the current live market rate an alert icon is shown alongside the input field. On mouse over a message explains the reason for the alert.

This alert does not prevent the trade from being submitted.

*Please Note: Any rates shown here are purely symbolic and used to explain a behaviour. They do not attempt to replicate any accurate market rates.*

# Ticket Entry Confirmation / Failures

## Manual Trade Confirmation

 **MANUAL TRADE CONFIRMED**

PRODUCT: SPOT  
 VALUE DATE: DDMMYYYY  
 CCY PAIR: GBPUSD  
 BUY/SELL: BUY  
 CCY1: GBP  
 AMOUNT: 1,000,000  
 CCY2: USD  
 AMOUNT: 1,548,700  
 COUNTERPARTY: ABC WIDGETS & CO  
 MID RATE: 1.5487  
 TRADER RATE: 1.5487  
 CLIENT RATE: 1.5487

---

ORDER TYPE: ONE-WAY  
 PC (\$): 000000  
 VA (\$): 0

---

BUSINESS ORIGATION: GLOBAL MARKETS  
 PORTFOLIO: PORT ABCDE 1234  
 RISK CENTRE: HBEU

---


TRADE ID: ABCD123456789A9B8C

**ENTER A NEW TRADE**

**✕CLOSE**

## Error Messages

If for whatever reason the trade cannot be booked/added then the standard error messages are shown with the ability to return to the fully populated manual ticket form.

 **MANUAL TRADE NOT DONE  
SYSTEM ERROR**

Please contact eClient Services for further assistance  
 REF: 1234566789010

---

**1** **VIEW TICKET DETAILS**

**✕CLOSE**

 **TRADE STATUS  
UNKNOWN**

Please contact eClient Services for further assistance  
 REF: 1234566789010

---

**1** **VIEW TICKET DETAILS**

**✕CLOSE**

1: Takes user back to the previously populated ticket.

# Manual Ticket - Canvas Workflows

Consideration of available workflows of the Manual Ticket on the trading canvas

## Launching from the blotter



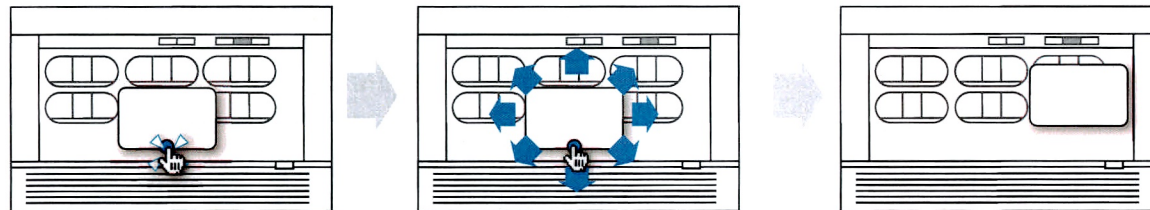
1. User clicks Manual Ticket button on any of the blotter states

2. Manual Ticket is displayed above the contents of the page

3. User enters trade details and submits the trade

4. Submission success confirmation is displayed. Manual trade is displayed in the blotter

## Moving Manual Ticket



1. User clicks onto the grab handle

2. The ticket can be moved in any direction within the bounds of the page

3. The ticket is moved into new position

# Controls appendix

Using existing patterns defined in evolveFX

## Searchable Drop-down: Counterparty

Used predominantly on counterparty searches the searchable dropdown allows a user to filter through large sets of possible options.

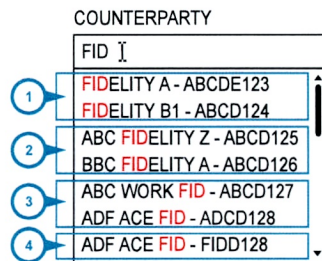
### Counterparty-specific requirements

Search strings typed into counterparty field are matched to display name and Treats code of counterparties that are defined in user's 'Your relationships'.

Matching is performed on word boundaries only.

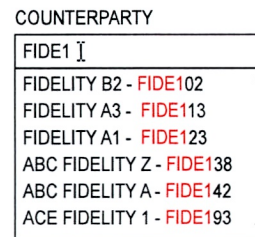
Display name will be either Long Name (max 255 characters), Short Name (max 28 characters) or PTS Short Name depending on 'Display counterparty names as' setting in user preferences.

#### Order of Matches



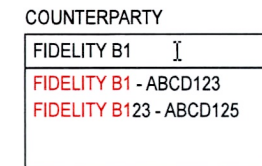
1. Matches to first words of display name will be displayed first in alphanumeric order
2. Matches to second words will be displayed after first word matches in alphanumeric order of first word
3. Matches to third words will be displayed after second word matches in alphanumeric order of first word
4. If word and treats code matches are found only word word match rules apply

#### Treats Code Matches



If only treats code matches are found results are ordered by treats code alphanumerically

#### Search Strings with Spaces



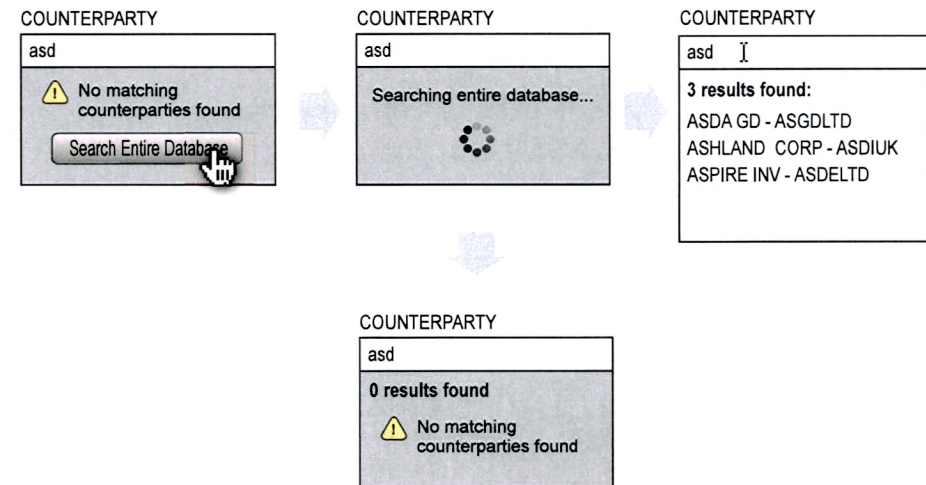
Search strings that include a space will only show exact matches

#### Long Name Tooltip



Counterparty long name is displayed in tooltip on-hover after short delay

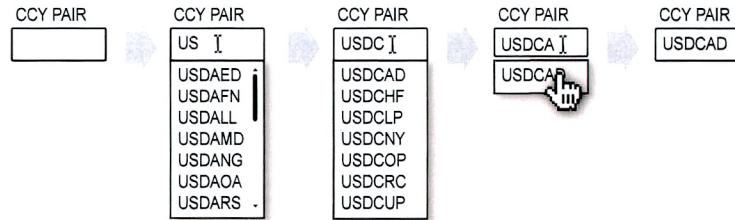
#### No Matches Found



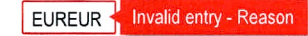
### Searchable Drop-down: Currency Pairs

The currency pair auto-complete allows a user to filter through large sets of possible currencies.

The user can enter either market convention or inverted currency pairs. As more currency pairs are added this pattern remains the same.



#### Showing errors

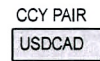


Invalid text fields are outlined in red and upon mouse-over or keyboard on-focus of the text field a tooltip will appear with error message.

### Numerical Input Field

Standard input field allowing only digits and the following characters;

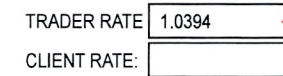
- 'M', 'm' (Resolves to millions 0,000,000.00)
- 'B', 'b' (Resolves to billions 0,000,000,000.00)



User has entered a valid currency pair.



Trader rate is retrieved.

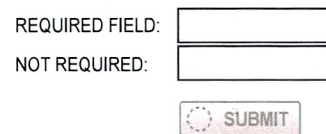


Trader rate is shown. User can overwrite / amend the trader rate. User has to enter the full client rate.

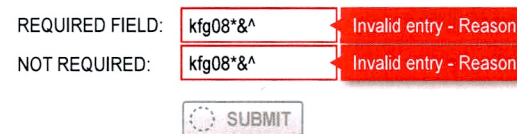
Precision of rate should be linked to the users precision pricing settings. TBC

### Validating Button

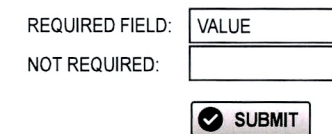
Only enabled when all required fields / information have been completed / provided



Submit is disabled until valid values have been entered.



All fields must have **valid** values before the submit button is enabled. This includes any fields not required.



Enabled submit button.