

Orbit

Trade Ticket Distribution

Trade Ticket Distribution

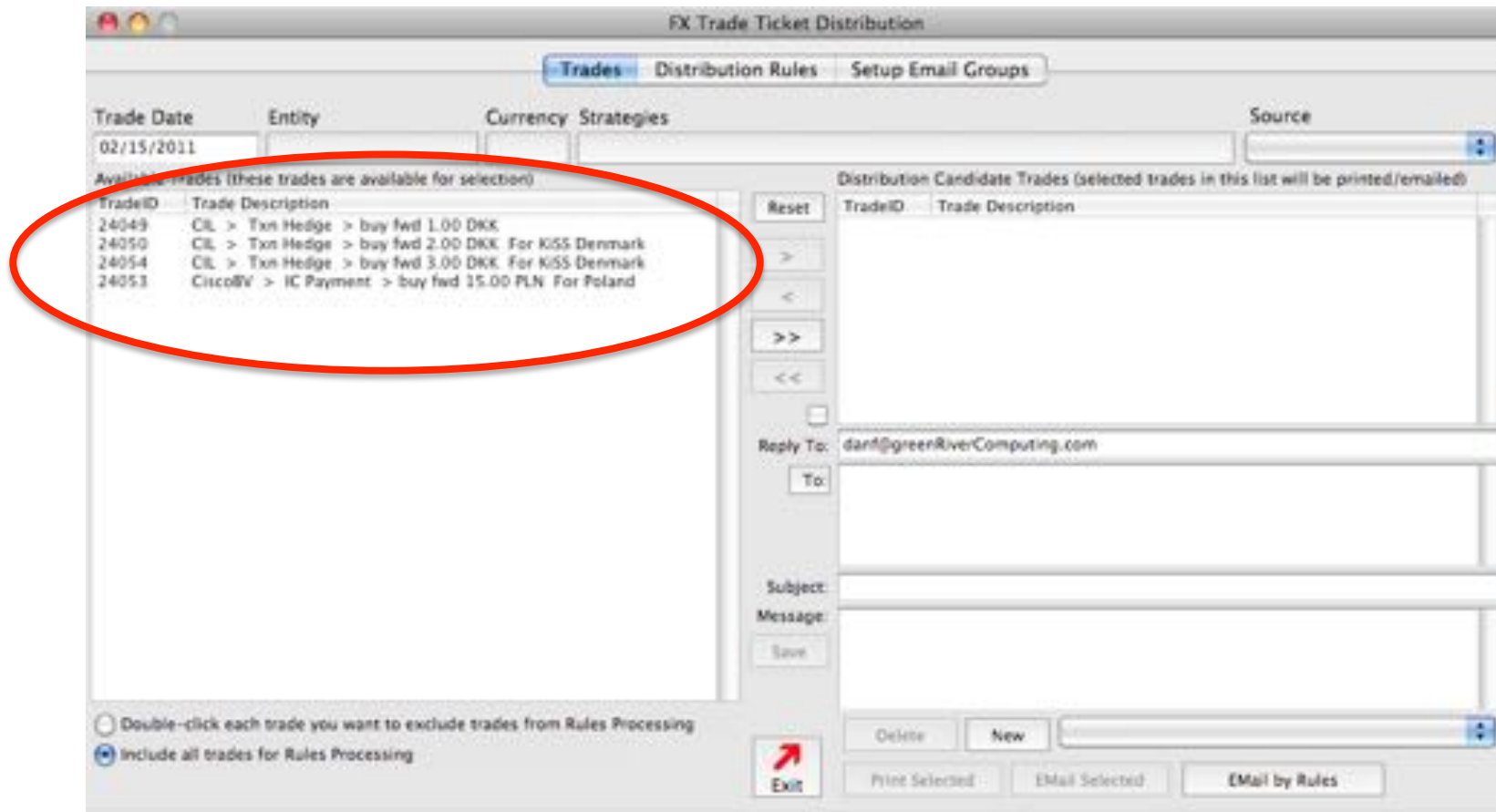
- An Orbit tool to automate the distribution of FX Trade Tickets
- You define rules based on different selection criteria and a list of recipients for each rule
- Orbit will match rules against a set of trades
- When a match occurs, a PDF image of the trade ticket is generated and sent to the rule recipients list

Trade Ticket Distribution



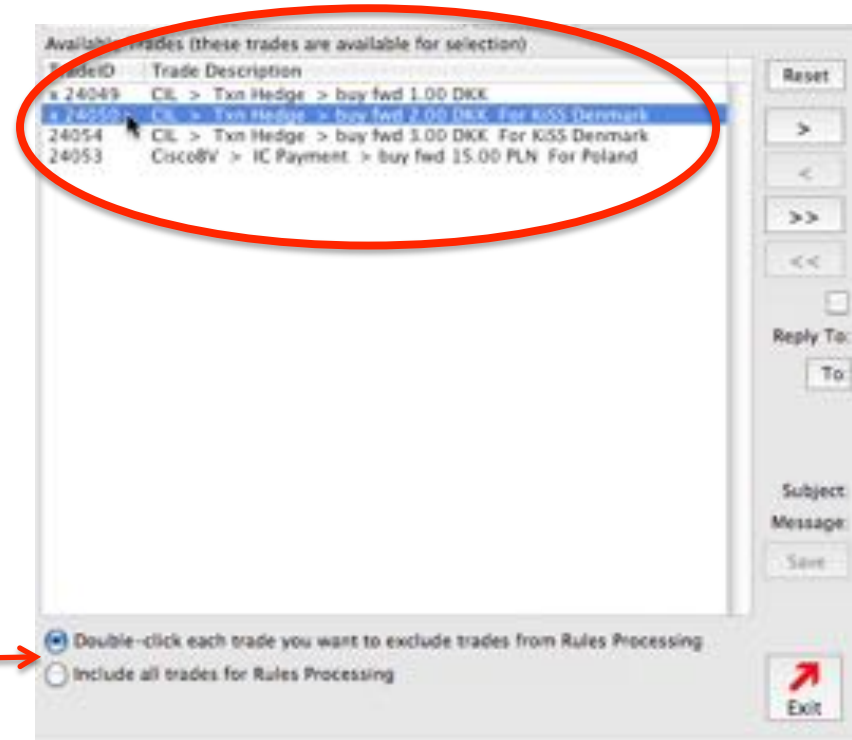
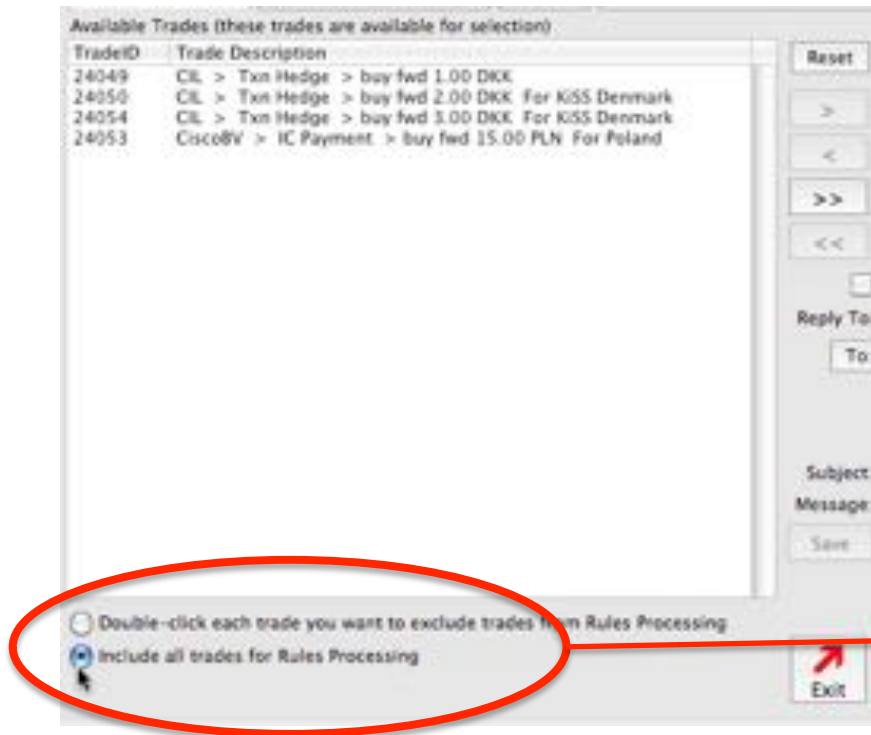
- On the “Main Menu Window”
- Go to the “FX” tab
- Press the “Trade Ticket Distribution” button

Trade Ticket Distribution – Available Trades



- Enter a “Trade Date” and other filter criteria (Entity, Currency, Strategies/Trade Purpose and Source)
- These criteria select the basic set of Trades that are available or visible to the rules engine
- Available trades are listed on the left.
- Distribution processing only works against the set of available trades

Trade Ticket Distribution – Excluding Available Trades



- By default all available trades are visible to “Rules Processing”

- When the “Double-click each trade...” radio button is selected, you can mark individual trades to exclude them from Rules Processing
- Double-click trades you want to exclude
- A small “x” is placed next to trades you double-click
- To return the trade to the available state, double-click it again and the “x” disappears
- Excluding trades only effects “Rules Processing”. Excluded trades can still be manually distributed

Trade Ticket Distribution – Email Setup

Trade Date: 02/15/2011 Entity: Currency: Strategies: Source:

Available Trades (these trades are available for selection)

| TradeID | Trade Description |
|---------|---|
| x 24049 | CIL > Txn Hedge > buy fwd 3.00 DKK |
| 24050 | CIL > Txn Hedge > buy fwd 2.00 DKK For KISS Denmark |
| 24054 | CIL > Txn Hedge > buy fwd 3.00 DKK For KISS Denmark |
| 24053 | CiscoBV > IC Payment > buy fwd 15.00 PLN For Poland |

Distribution Candidate Trades (selected trades in this list will be printed/emailed)

Reset

>

<

>>

<<

Reply To: danf@greenRiverComputing.com

To:

Subject: Test Trade Ticket Distribution

Message: This is a test of Trade Ticket Distribution. Please Ignore.

Save

Double-click each trade you want to exclude trades from Rules Processing

Include all trades for Rules Processing

Delete New Dan Farrand

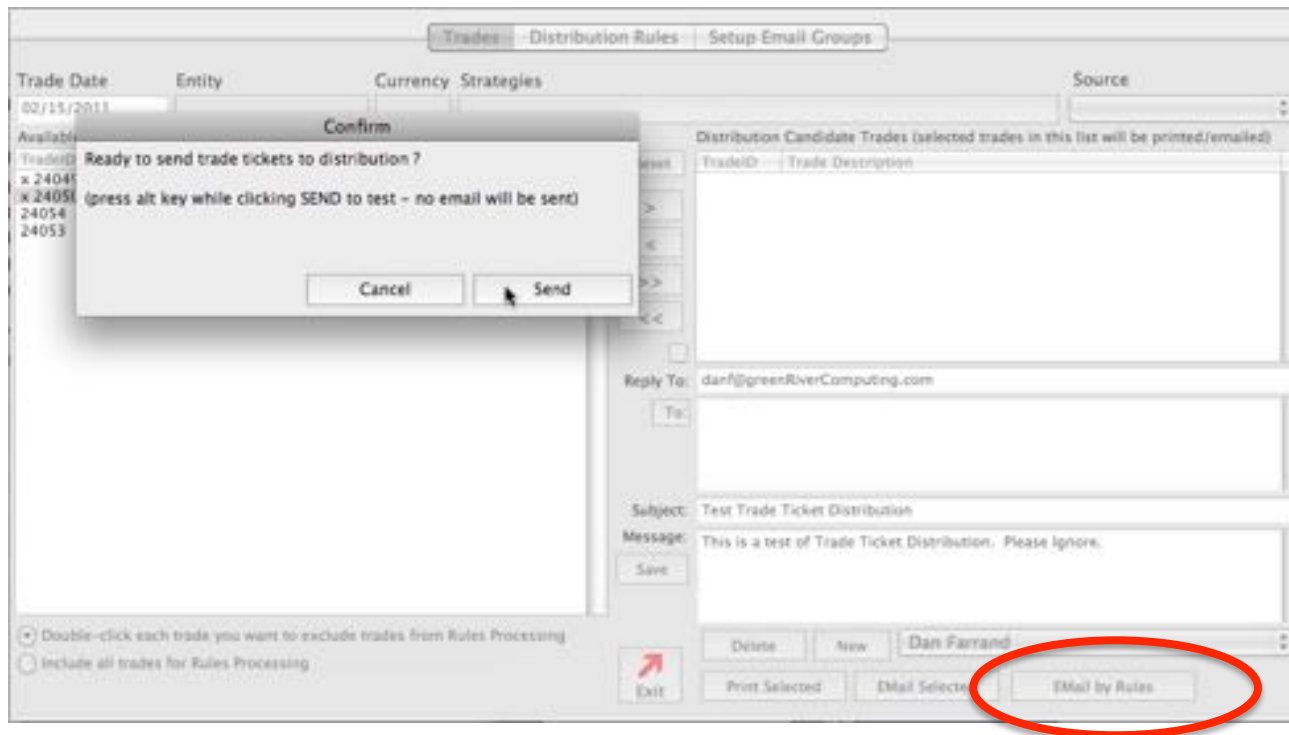
Print Selected Email S

Select the default subject line to be used in emails

Exit

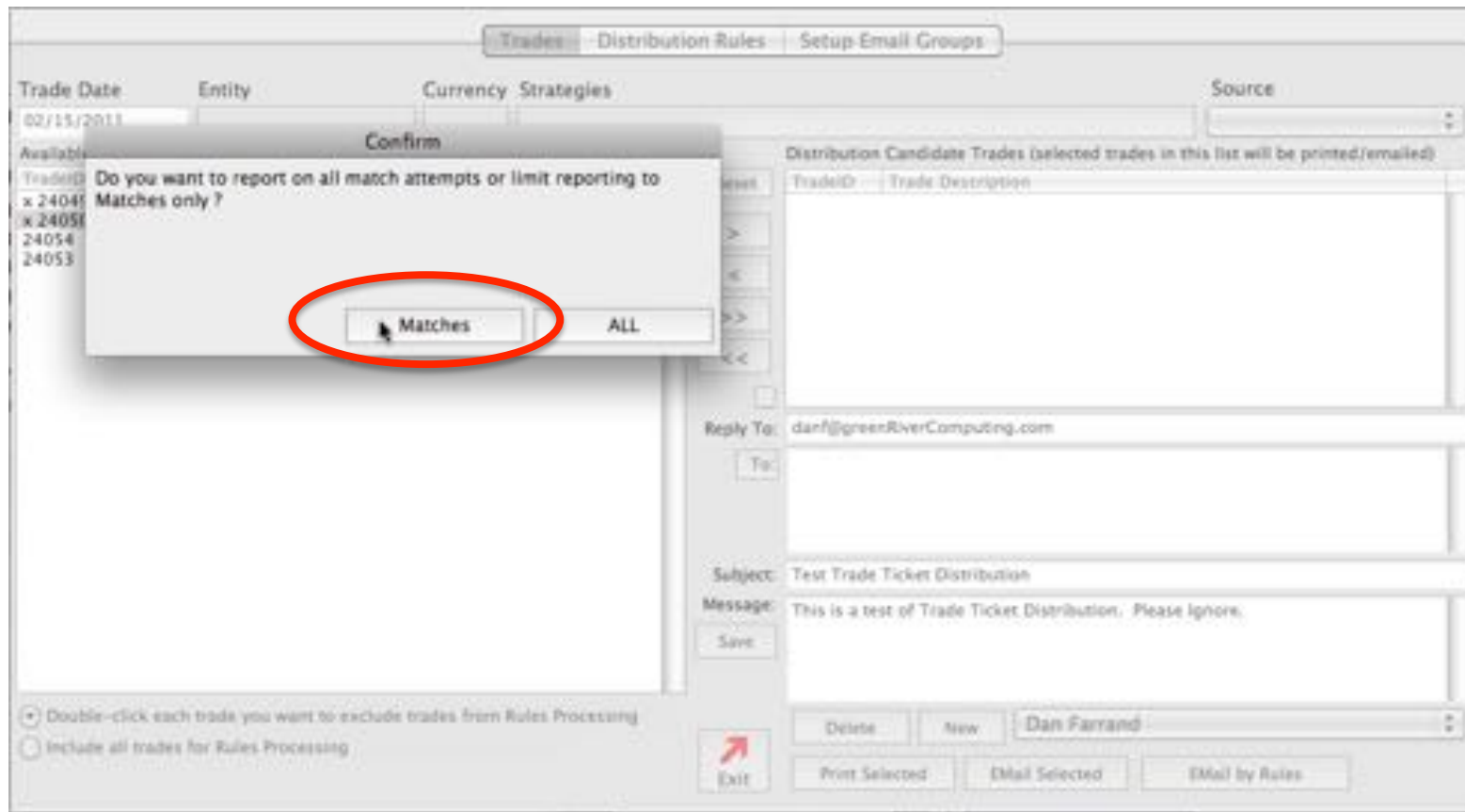
- Before you can distribute trade tickets, you must setup the Email with “Reply To”, “Subject” and “Message” body
- Stored templates are available for selection from the popup menu (Dan Farrand” is selected in the example)
- A Stored template simply associates reply to, subject and message defaults with a name
- To create a stored template, press the “New” button. You will be prompted to enter a name for the template
- Enter reply to, subject and message text and press the “Save” button

Trade Ticket Distribution – Rules Processing



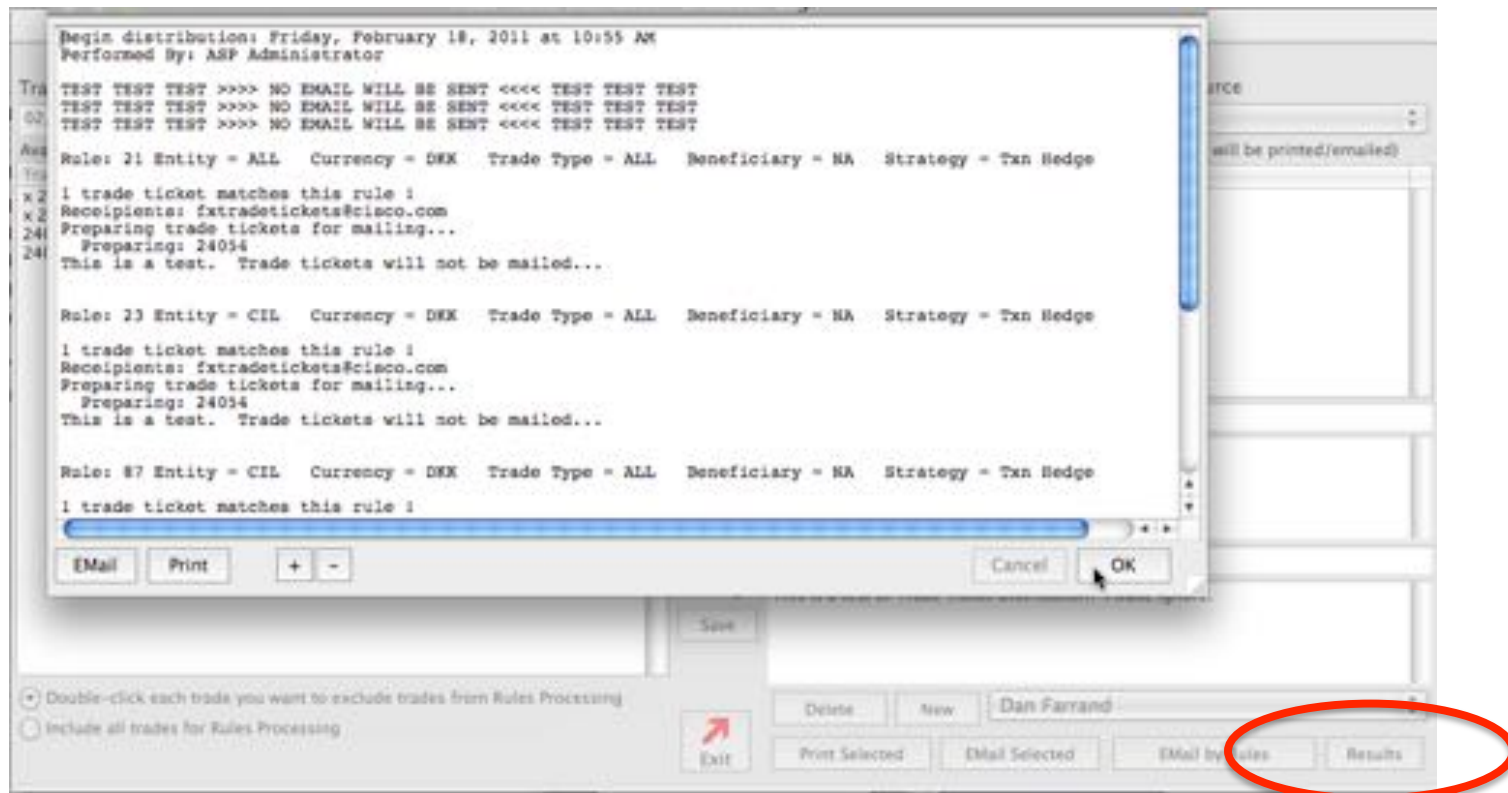
- To initiate rule based, automatic distribution, press the “Email by Rules” button (circled in red)
- You are prompted to confirm the action
- If you want to run a TEST only, without actually sending trade tickets, press the ALT key at the same time you click the “Send” button

Trade Ticket Distribution – Rules Processing



- After you press the “Send” button, you are asked to choose the type of “Results” report Orbit will produce
- If you choose “ALL”, Orbit will report the results of every trade and rule, whether or not matches occur
- If you choose “Matches”, Orbit will only report on rules where matches occur. This version of the report is usually much shorter and to the point

Trade Ticket Distribution – Rules Processing



- After making your results report choice, rules processing occurs.
- The screen gets very busy as activity occurs automatically. Just ignore the activity
- When processing is complete, the results report will display
- In this case, we called for a TEST as indicated by the “TEST TEST TEST” banner at the top of the results report
- The results report shows the processing of each rule where matches occurred
- If we had not run a TEST, emails with attached copies of trade tickets would have been sent
- Dismiss the results report by clicking OK. You will be able to refer to the report again by clicking the “Results” button (circled in red)

Trade Ticket Distribution – Manual Distribution

Trade Date: 02/15/2011 Entity: Currency: Strategies: Source:

Available Trades (these trades are available for selection)

| TradeID | Trade Description |
|---------|--|
| x 24050 | CL > Txn Hedge > buy fwd 2.00 DKK For XISS Denmark |
| 24054 | CL > Txn Hedge > buy fwd 3.00 DKK For XISS Denmark |

Distribution Candidate Trades (selected trades in this list will be printed/mailed)

| TradeID | Trade Description |
|---------|---|
| 24049 | CL > Txn Hedge > buy fwd 1.00 DKK |
| 24053 | CiscoBV > IC Payment > buy fwd 15.00 PLN For Poland |

Reply To: danf@greenRiverComputing.com

To:

Subject: Test Trade Ticket Distribution

Message: This is a test of Trade Ticket Distribution. Please ignore.

Double-click each trade you want to exclude trades from Rules Processing
Include all trades for Rules Processing

Exit Print Selected Email Selected Email by Rules Results

- To manually print or distribute tickets, click on a ticket in the “Available Trades” list and use the “>” button to move the selected trade to the “Distribution Candidate Trades” list
- If the “Double-click each trade...” radio button is not set, you can move available trades to the “Distribution Candidate Trades” list by double-clicking
- Before “Distribution Candidates” can be printed or emailed, they must be selected. If a trade is in the “Distribution Candidates” list, but not selected, it will not be included in any action

Trade Ticket Distribution – Manual Distribution

The screenshot shows a software interface for trade ticket distribution. At the top, there are tabs for "Trades", "Distribution Rules", and "Setup Email Groups". Below the tabs, there are input fields for "Trade Date" (02/15/2011), "Entity", "Currency", "Strategies", and "Source".

There are two main tables:

- Available Trades (these trades are available for selection):**

| TradeID | Trade Description |
|---------|--|
| x 24050 | CL > Txn Hedge > buy fwd 2.00 DKK For KISS Denmark |
| 24054 | CL > Txn Hedge > buy fwd 3.00 DKK For KISS Denmark |
- Distribution Candidate Trades (selected trades in this list will be printed/emailed):**

| TradeID | Trade Description |
|---------|---|
| 24049 | CL > Txn Hedge > buy fwd 1.00 DKK |
| 24053 | CiscoBV > IC Payment > buy fwd 15.00 PLN For Poland |

Between the tables are navigation buttons: "Reset", ">", "<", ">>", and "<<". Below these is a "Reply To" field with the email address "danf@greenRiverComputing.com".

At the bottom, there are several buttons: "Exit", "Print Selected", "Email Selected", "Email by Rules", and "Results". The "Print Selected" and "Email Selected" buttons are circled in red. There is also a "Save" button and a "Message" field containing the text "This is a test of Trade Ticket Distribution. Please Ignore.".

- To print selected tickets, press the “Print Selected” button
- To email selected tickets, press the “Email Selected” button
- Before you can “Email Selected”, you will need to provide recipient addresses
- You can manually type or paste in addresses. Enter multiple addresses on separate lines
- You can also copy addresses from your rules. See the next slide for an example

Trade Ticket Distribution – Copy Recipients

The screenshot shows a software interface with three tabs: "Trades", "Distribution Rules" (selected), and "Setup Email Groups". The "Distribution Rules" tab displays a table with the following columns: Entity, Cur, Type, Beneficiary, Strategy, and Recipients. The table contains multiple rows of data, including entries for CIL, CSFI, SARL, and Cisco Inc. The "Recipients" column lists various email addresses. At the bottom of the interface, there are several buttons: "Test Rule", "Delete", "Duplicate", "Add Rule", "Save Rules", "Exit", and "<< Copy". The "<< Copy" button is circled in red.

| Entity | Cur | Type | Beneficiary | Strategy | Recipients |
|-------------|-----|------|--------------|-------------|---|
| CIL | SEK | | | Fin Lease | emea-tsy@cisco.com,fxtradedickets@cisco.com,sbourton@cisc... |
| CSFI | SEK | | | IC Payment | fxtradedickets@cisco.com,emea-tsy@cisco.com,ajaym@cisco.co... |
| CIL | SEK | | | Other | sbourton@cisco.com,akavanag@cisco.com,emea-tsy@cisco.co... |
| CIL | SEK | | | Txn Hedge | fxtradedickets@cisco.com |
| SARL | SEK | | | Txn Hedge | fxtradedickets@cisco.com |
| SARL | SGD | | | Loan | emea-tsy@cisco.com,fxtradedickets@cisco.com,jortchi@cisco.c... |
| SARL | SGD | | | Txn Hedge | fxtradedickets@cisco.com |
| SARL | THB | | | IC Payment | weekheng@cisco.com,fxtradedickets@cisco.com |
| SARL | TRY | | | Txn Hedge | fxtradedickets@cisco.com,emea-tsy@cisco.com |
| Cisco Inc | TTD | | | IC Payment | lerna@cisco.com,gdlena@cisco.com,kcolomer@cisco.com |
| Cisco Inc | TTD | | | IC Payment | fxtradedickets@cisco.com |
| Cisco Inc | UYU | | | IC Payment | orbit-ltam-wcpt-bra-mex@external.cisco.com,fxtradedickets@... |
| Cisco Inc | VEF | | | IC Payment | orbit-ltam-wcpt-bra-mex@external.cisco.com,fxtradedickets@... |
| Cisco Inc | VND | | | IC Payment | fxtradedickets@cisco.com,emea-tsy@cisco.com,melwong@cisc... |
| SARL | ZAR | | | IC Payments | emea-tsy@cisco.com,fxtradedickets@cisco.com,jortchi@cisco.c... |
| CS Lux sarl | ZAR | | | Loan | emea-tsy@cisco.com,fxtradedickets@cisco.com,jortchi@cisco.c... |
| SARL | ZAR | | | IC Payment | fxtradedickets@cisco.com,jortchi@cisco.com,veneknig@cisco.co... |
| SARL | ZAR | | | Txn Hedge | fxtradedickets@cisco.com |
| CIL | DKK | | | Txn Hedge | robharve@cisco.com |
| CIL | DKK | | KISS Denmark | Txn Hedge | robharve@cisco.com,roseah@cisco.com,[TestGroup] |

Entity: CIL, Cur: DKK, Type: , Beneficiary: KISS Denmark, Trade Purpose / Strategy: Txn Hedge

Recipients (enter multiple addresses on separate lines): robharve@cisco.com, roseah@cisco.com, [TestGroup]

- Go to the “Distribution Rules” tab
- Select a rule
- The rule match criteria and recipients list are displayed
- Press the “<< Copy” button
- The rule recipients are copied to the recipients list on the “Trades” tab. Email group symbols ([TestGroup]) are automatically expanded
- The view automatically switches back to the “Trades” tab

Trade Ticket Distribution – Copy Recipients

The screenshot shows a software interface for trade ticket distribution. At the top, there are tabs for "Trades", "Distribution Rules", and "Setup Email Groups". Below the tabs, there are input fields for "Trade Date", "Entity", "Currency", "Strategies", and "Source".

On the left, under "Available Trades (these trades are available for selection)", there is a table:

| TradeID | Trade Description |
|---------|--|
| x 24050 | CL > Txn Hedge > buy fwd 2.00 DKK For KISS Denmark |
| 24054 | CL > Txn Hedge > buy fwd 3.00 DKK For KISS Denmark |

On the right, under "Distribution Candidate Trades (selected trades in this list will be printed/emailed)", there is a table:

| TradeID | Trade Description |
|---------|---|
| 24049 | CL > Txn Hedge > buy fwd 1.00 DKK |
| 24053 | CiscoBV > IC Payment > buy fwd 15.00 PLN For Poland |

Below the tables, there are navigation buttons: "Reset", ">", "<", ">>", "<<", and a checked checkbox. The "Reply To" field is circled in red and contains the following email addresses:

- danf@greenRiverComputing.com
- robharve@ciseco.com
- roseah@ciseco.com
- danf@greenRiverComputing.com
- jason@greenRiverComputing.com

The "Subject" field contains "Test Trade Ticket Distribution". The "Message" field contains "This is a test of Trade Ticket Distribution. Please Ignore." There is a "Save" button below the message field.

At the bottom, there are buttons for "Delete", "New", "Dan Farrand", "Print Selected", "Email Selected", "Email by Rules", and "Results". The "Email Selected" button is highlighted in yellow. A status bar at the bottom reads "Email Trade Tickets for selected trades in the".

- Recipients have been copied from the selected rule
- Press the "Email Selected" button to send the selected trade tickets to the recipients

Trade Ticket Distribution – Rules

Match trades against the following criteria

| Entity | Cur | Type | Beneficiary | Strategy | Recipients |
|-------------|-----|------|--------------|-------------|--|
| CIL | SEK | | | Fin Lease | emea-tsy@cisco.com,fxtradedtickets@cisco.com,sbourton@cisc... |
| CSFI | SEK | | | IC Payment | fxtradedtickets@cisco.com,emea-tsy@cisco.com,ajaym@cisco.co... |
| CIL | SEK | | | Other | sbourton@cisco.com,akavanag@cisco.com,emea-tsy@cisco.co... |
| CIL | SEK | | | Txn Hedge | fxtradedtickets@cisco.com |
| SARL | SEK | | | Txn Hedge | fxtradedtickets@cisco.com |
| SARL | SGD | | | Loan | emea-tsy@cisco.com,fxtradedtickets@cisco.com,jortchi@cisco.c... |
| SARL | SGD | | | Txn Hedge | fxtradedtickets@cisco.com |
| SARL | THB | | | IC Payment | weekheng@cisco.com,fxtradedtickets@cisco.com |
| SARL | TRY | | | Txn Hedge | fxtradedtickets@cisco.com,emea-tsy@cisco.com |
| SARL | TTD | | | IC Payment | lerna@cisco.com,gdlena@cisco.com,kcolomer@cisco.com |
| Cisco Inc | TTD | | | IC Payment | fxtradedtickets@cisco.com |
| Cisco Inc | UYU | | | IC Payment | orbit-latam-wcp-br-mex@external.cisco.com,fxtradedtickets@... |
| Cisco Inc | VEF | | | IC Payment | orbit-latam-wcp-br-mex@external.cisco.com,fxtradedtickets@... |
| Cisco Inc | VND | | | IC Payment | fxtradedtickets@cisco.com,emea-tsy@cisco.com,melwong@cisc... |
| SARL | ZAR | | | IC Payments | emea-tsy@cisco.com,fxtradedtickets@cisco.com,jortchi@cisco.c... |
| CS Lux sarl | ZAR | | | Loan | emea-tsy@cisco.com,fxtradedtickets@cisco.com,jortchi@cisco.c... |
| SARL | ZAR | | | IC Payment | fxtradedtickets@cisco.com,jortchi@cisco.com,veneknig@cisco.co... |
| SARL | ZAR | | | Txn Hedge | fxtradedtickets@cisco.com |
| CIL | DKK | | | Txn Hedge | robharve@cisco.com |
| CIL | DKK | | KISS Denmark | Txn Hedge | robharve@cisco.com,roseah@cisco.com,[TestGroup] |

Entity Cur Type Beneficiary Entity Trade Purpose / Strategy Recipients (enter multiple addresses on separate lines)

| | | | | | |
|-----|-----|--|--------------|-----------|---|
| CIL | DKK | | KISS Denmark | Txn Hedge | robharve@cisco.com roseah@cisco.com [TestGroup] |
|-----|-----|--|--------------|-----------|---|

Test Rule Delete Duplicate Add Rule Save Rules Exit << Copy

- Distribution rules are managed on the “Distribution Rules” tab
- Use the buttons circled in red to add, change, delete, duplicate and save rules
- Each rule is associated with a recipients lists
- When rule processing occurs all “Available” trades are matched against each rule
- A trade may match multiple rules in which case it will be included in multiple emails
- The next slide describes rule processing logic in detail

Trade Ticket Distribution – Rules Processing Logic

- Each Rule is composed of 5 match items
 - Entity
 - Currency
 - Trade Type
 - Trade Beneficiary (entity entered on trade ticket as the “Beneficiary Entity”)
 - Trade Purpose/Strategy
- A Yes/No flag is associated with each item. For a trade to be “matched” the value of all 5 flags must be “YES”

- For each trade in the set, we perform the following match process
 - First we set the initial state of the flags
 - If a value for a rule item is blank, it’s YN Flag is set to YES (a trade will ALWAYS match a blank rule item)
 - If a value for a rule item is NOT BLANK, it’s YN flag is set to NO (a trade must match this rule item to be selected)
 - For every rule item whose value is non-blank, we match that item to the same field in the Trade
 - If the rule item value matches the trade field value, the YN flag for that item = YES
 - At the end of the comparison, if all 5 flags = YES, the trade is selected

- If a rule item value = “BLANK”, the item plays no role in the selection. Blank rules = YES for matching purposes
- The order of the rule items has no bearing on selection. Each comparison occurs independently generating a YES or NO
- The trade is selected when we have YES+YES+YES+YES+YES
- Thus, a rule where all items are blank will select ALL trades because blanks = YES for each of the rule items

- A trade may match multiple rules and the ticket will be sent to the recipients list for each matched rule

Trade Ticket Distribution – Test Rule

Match trades against the following criteria

| Entity | Cur | Type | Beneficiary | Strategy | Recipients |
|-------------|-----|------|--------------|-------------|---|
| CIL | SEK | | | Fin Lease | emea-tsy@cisco.com,fxtradetickets@cisco.com,sbourton@cisc... |
| CSFI | SEK | | | IC Payment | fxtradetickets@cisco.com,emea-tsy@cisco.com,ajaym@cisco.co... |
| CIL | SEK | | | Other | sbourton@cisco.com,akavanag@cisco.com,emea-tsy@cisco.co... |
| CIL | SEK | | | Txn Hedge | fxtradetickets@cisco.com |
| SARL | SEK | | | Txn Hedge | fxtradetickets@cisco.com |
| SARL | SGD | | | Loan | emea-tsy@cisco.com,fxtradetickets@cisco.com,jortchi@cisco.c... |
| SARL | SGD | | | Txn Hedge | fxtradetickets@cisco.com |
| SARL | THB | | | IC Payment | weekheng@cisco.com,fxtradetickets@cisco.com |
| SARL | TRY | | | Txn Hedge | fxtradetickets@cisco.com,emea-tsy@cisco.com |
| Cisco Inc | TTD | | | IC Payment | lerna@cisco.com,gdlena@cisco.com,kcolomer@cisco.com |
| Cisco Inc | TTD | | | IC Payment | fxtradetickets@cisco.com |
| Cisco Inc | UYU | | | IC Payment | orbit-ltam-wcpt-bra-mex@external.cisco.com,fxtradetickets@... |
| Cisco Inc | VEF | | | IC Payment | orbit-ltam-wcpt-bra-mex@external.cisco.com,fxtradetickets@... |
| Cisco Inc | VND | | | IC Payment | fxtradetickets@cisco.com,emea-tsy@cisco.com,melswon@cisc... |
| SARL | ZAR | | | IC Payments | emea-tsy@cisco.com,fxtradetickets@cisco.com,jortchi@cisco.c... |
| CS Lux sarl | ZAR | | | Loan | emea-tsy@cisco.com,fxtradetickets@cisco.com,jortchi@cisco.c... |
| SARL | ZAR | | | IC Payment | fxtradetickets@cisco.com,jortchi@cisco.com,veneknig@cisco.co... |
| SARL | ZAR | | | Txn Hedge | fxtradetickets@cisco.com |
| CIL | DKK | | | Txn Hedge | robharve@cisco.com |
| CIL | DKK | | KISS Denmark | Txn Hedge | robharve@cisco.com,roseah@cisco.com,[TestGroup] |

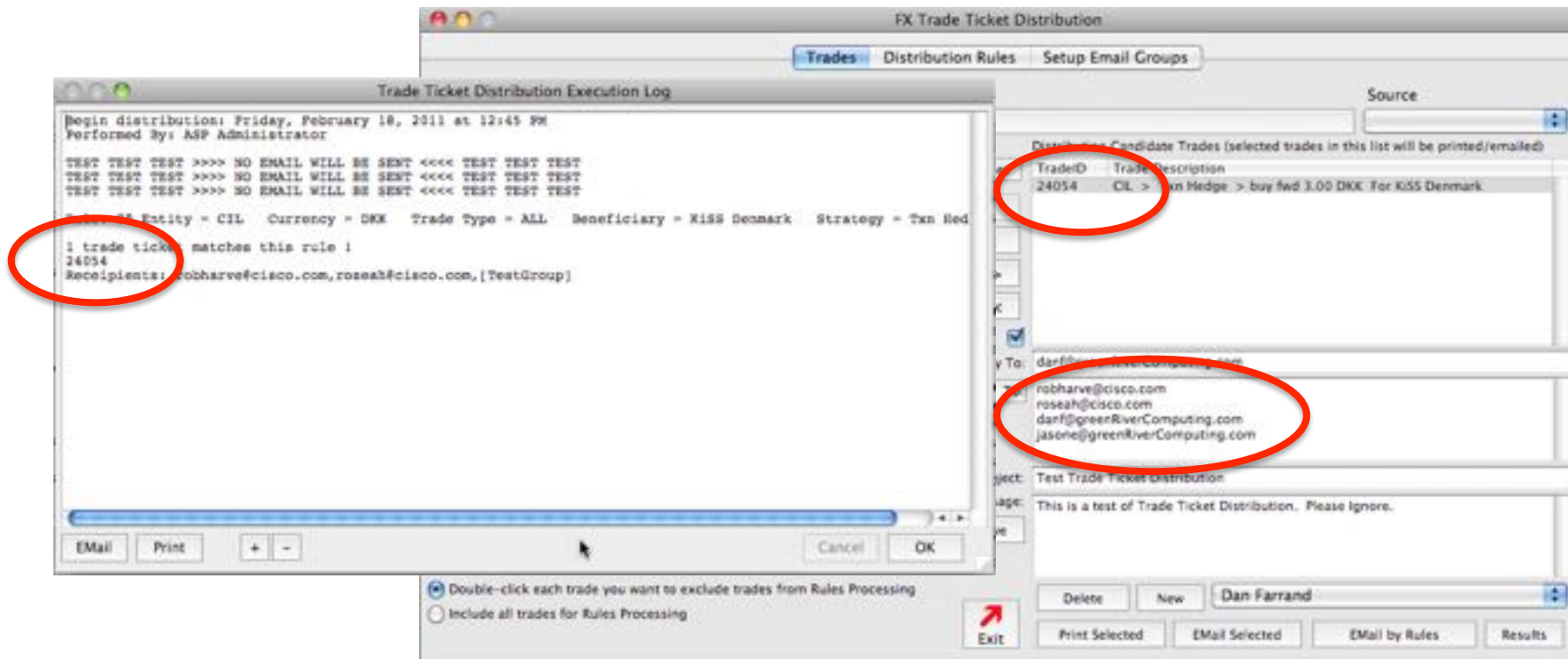
Entity Cur Type Beneficiary Entity Trade Purpose / Strategy Recipients (enter multiple addresses on separate lines)

| | | | | | |
|-----|-----|--|--------------|-----------|---|
| CIL | DKK | | KISS Denmark | Txn Hedge | robharve@cisco.com roseah@cisco.com [TestGroup] |
|-----|-----|--|--------------|-----------|---|

Test Rule Delete Duplicate Add Rule Save Rules Exit << Copy

- You can test a rule against “Available” trades
- Select the rule you want to test and press the “Test Rule” button
- All “Available” trades will be matched against the selected rule
- A “Results” report will be displayed, but no email will be generated
- Back on the “Trades” tab, the results of the matching will be set so that you could perform the distribution by clicking the “Email Selected” button (see the next slide)

Trade Ticket Distribution – Test Rule



- Here is an example of what happens when you press “Test Rule”
- A “Results” report is produced. This example tells us that 1 trade – 24054 matched the selected rule
- That trade has been moved to the “Distributed Candidate Trades” list and selected
- The recipients list associated with the test rule has been expanded and copied into the “Trades” tab recipients list
- You could send emails with attached trade ticket(s) to the recipients by pressing the “Email Selected” button

Trade Ticket Distribution – Email Group Addresses



- You can create email address group names on the “Setup Email Groups” tab
- A group is simply a name linked to one or more addresses
- You can include a group name in a rule recipients list. The group name in the recipients list must be enclosed in square brackets. For example, the group TestGroup would appear in a recipients list as [TestGroup]
- When email is sent to a recipients list, [TestGroup] will be expanded into the actual addresses associated with the group