NASDAQ OMX Nordic Derivatives Back Office Self-Study Material

Sections

Legal disclaimer: This document is provided only as information to NASDAQ OMX Derivatives Markets participants and is not intended for any other purposes. Prior to taking any action based on the document, the Rules and Regulations of NASDAQ OMX Derivatives Markets ("Rules") in force should be fully understood. NASDAQ OMX Derivatives Markets is not responsible for any misinterpretation of the document provided. Subject to the Rules, NASDAQ OMX Derivatives Markets assumes no liability for the accuracy or completeness of the contained information or for any damages (direct or indirect) arising from actions taken on the basis of this document.

The Clearing Workstation (CW) Back Office Application

A selection of the most common features of the most common windows in the Clearing Workstation (CW) are presented in this document. The complete CW User Guide can be found at (User: omse Password: member);

http://nordic.nasdaqomxtrader.com/memberextranet/genium_inet/connectivity_and_protocols/

1. Introduction

The markets for Nordic derivatives consist of derivatives on Danish, Finnish, Norwegian, Russian and Swedish shares and indexes as well as on Pan-Nordic and Baltic indexes.

Contracts are either standardized, listed on request, or Tailor Made contracts.

Trading takes place either through the electronic exchange trading system (EMP) or the manual exchange trading system (MPS).

Trading and clearing takes place in the Genium INET trading and clearing system. The NASDAQ OMX Back Office application for Genium INET is the Clearing Workstation (CW).

NASDAQ OMX Derivatives Markets as a counterparty

- One of the principal functions of a clearing organization is to guarantee that all contracts traded will be honored. At NASDAQ OMX Derivatives Markets, clearing is integrated with derivatives trading, whereby NASDAQ OMX Derivatives Markets becomes the counterparty in all transactions, i.e. acts as a buyer to the seller and as a seller to the buyer. Counterparty risk is the risk that one party in a transaction will not be able to fulfill its obligations in due time. In its capacity as a marketplace, NASDAQ OMX Derivatives Markets is not exposed to counterparty risk. However, in its capacity as a clearing organization, counterparty risk is always present. In order to ensure that the clearing organization has the capacity to fulfill its obligations, it requires and receives collateral from the participating counterparties and retains its own capital resources as well.

Requirements for Back Office-personnel

The member is responsible for ensuring that its Back Office personnel are suitable for their duties. Please see Rules and Regulations section 3.2. The requirements includes that the Back Office personnel shall:

- (i) Have studied and understood the Back Office self-study material provided by the Exchange and possess knowledge of the Clearing System, including any application used to access it:
- (ii) Promptly take part of any updated Back Office self-study material provided by the Exchange; and
- (iii) Possess general knowledge of the derivative products of NASDAQ OMX Stockholm.
- The member shall notify Back Office contact details to the Exchange.
- The member participate in clearing through Back Office Personnel who must be employees of the member.
- The member shall ensure that the personal user identification of the Back Office Personnel is stated in each individual registration measure.
- The member shall at all times have at least two employees who fulfils the requirements applicable to Back Office Personnel.
- The Back Office self-study material can be found at:

http://nordic.nasdaqomxtrader.com/membershipservices/traderauthorization/

NASDAQ OMX

NASDAQ OMX Nordic Operations

- 70 Employees
- 07:00 CET -19:25 CET
- Day-to-day business

  Members' first line support

  Settlement - cash and physical

  Risk control and collateral verification

  Trade reporting, User setup, Products
- Expirations
- Re-calculations
- Production systems
- Test systems

Daily Clearing Cycle
(All times are CET)

07:00 The clearing system opens and reports are available in the CW.

08:00 The marketplace for Danish fixed income related derivatives opens.

08:30 The marketplace for Norwegian and Swedish fixed income related derivatives opens.

09:00 The marketplaces for Danish, Swedish, Finnish, Norwegian equity related derivatives opens.

11:00 Deadline for pledging of client and member collateral from member to custodian institution.

11:00 Deadline for payments in EUR and DKK.

11:30 Deadline for Delivery versus Payment in VPS in Norway.

11:30 Deadline for SEK payments by the members or their payment banks in the K-RIX payment system.

12:00 Deadline for collateral confirmation from the custodian institution to the exchange.

12:00 Deadline for Delivery versus Payment in VP in Denmark.

14:00 Deadline for Delivery versus Payment in Euroclear Sweden.

15:00 Deadline for payments in NOK.

15:15 Deadline for Delivery versus Payment in Euroclear Finland.

16:15 The marketplace for Norwegian and Swedish fixed income related derivatives close.

16:55 The marketplace for Danish equity related derivatives close.

17:00 The marketplace for Danish fixed income related derivatives close.

17:15 (approximately) Fixed income fixing values and Danish equity related fixing values are published.

17:20 The marketplace for Norwegian equity related derivatives close.

17:25 The marketplaces for Swedish and Finnish equity related derivatives close.

18:00 (approximately) Swedish, Finnish and Norwegian equity related fixing values are published.

19:25 The clearing system close.

Rules & Regulations

- Chapter 1: General Regulations
  - Exchange & Clearing Members, customer, Technical Regulations
- Chapter 2: Exchange Regulations
  - Trading Rules, MM Rules, Orders in EMP, MPS interests and orders
- Chapter 3: Clearing Regulations
  - Re-registrations, Collateral, Settlement, Clearing membership req.
- Chapter 4: Contract Specifications part 1
- Chapter 4: Contract Specifications part 2
- Chapter 5: Appendices
  - Fees, Collateral List, Parameter Value List, Member Agreements
- Definitions and Abbreviations
- Customer Agreements
- Pledge

Information from our web-page

- Subscription Exchange Notices Use your e-mail to subscribe / log in

http://www.nasdaqomxnordic.com/News/marketnotices/Subscribe/?languageId=1

Member Webpage/CW User Guide, Login details: User- omse Password - member

http://http://nordic.nasdaqomxtrader.com/memberextranet/genium_inet/connectivity_and_protocols//

- NASDAQ OMX as a counterparty document

http://nordic.nasdaqomxtrader.com/Clearing/optionsfuturesclearing/Counterparty/

- Rules & Regulations (under General Rules – Derivatives)

http://nasdaqomx.com/listingcenter/nordicmarket/rulesandregulations/

- Trading & Clearing Operations Website (with member guides):

http://nordic.nasdaqomxtrader.com/Clearing/optionsfuturesclearing/

- List of Exchange members (please find derivatives member details in the right columns)

http://nordic.nasdaqomxtrader.com/membershipservices/membershiplist/

- Trading Hours

http://www.nasdaqomx.com/digitalAssets/66/66784_app_16_1002080.pdf

NASDAQ OMX Derivatives Markets Members

NASDAQ OMX Derivatives Markets have 89 members in 12 countries.

<u>Membership types:</u>

- GCM – General Clearing Member (clears on its own behalf and / or on behalf of NCMs or other clients)
- DCM – Direct Clearing Member (clears on its own behalf and / or on behalf of clients)
- NCM – Non Clearing Member (has a GCM as clearer)

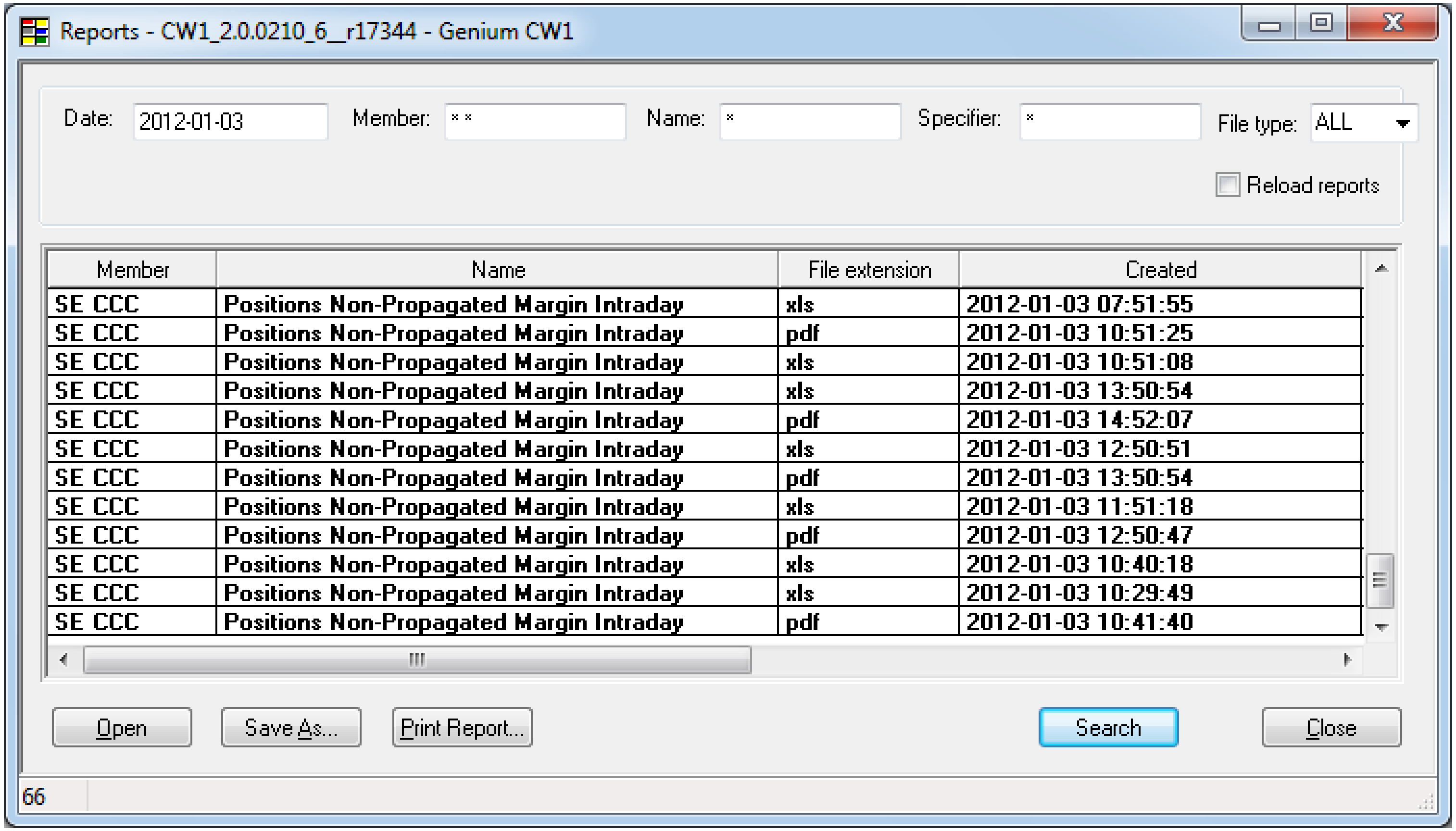
General CW Functions

- Choose Columns.

  Right-click the window and choose ‘Columns…’ from the right-click menu. To add a column; Select it in the ‘Hidden columns’ list and click ‘Add’. To remove a column; Select it in the ‘Displayed columns’ list and click ‘Remove’. To change the order of the displayed columns; Select a column in the ‘Displayed columns’ list and click ‘Move up’ or ‘Move down’.
- In the bottom left corner the number of results from a search is displayed.
- The ’Save Workspace’ (S) button determines whether window and column settings should be saved when the application is closed.
- By using the Markets window on the Series menu it is possible to filter the markets shown in the CW.
- You can administrate the server and database by using Load/Reload on the Series menu. Warning! Only experienced administrators should perform this. The consequences can affect the trading in a very serious manner. A mistake could cause all reported trades to disappear!
- To verify that the latest CW version is used please check Build in the About window on the Help menu and compare with the CW1 version number in the download list on this link (user: omse password: member).

CW Menu: Clearing: Reports

View, save and print reports.



CW Menu: Clearing: Reports

View, save and print reports.

How to Search.

Date: Specify the date of the report (yyyy-mm-dd). Please note that cash settlement reports can be found on the settlement date, physical settlement reports on the exercise/closing date, margin reports can be found on the date one business day before the margin is to be pledged.

Name: The name of the report can be specified with optional wildcard(s).

Member and File type can also be specified.

Open a Report

Select the PDF or spreadsheet (_XLS name extension) version, right click and choose ‘Open…’.

Save a Report

Select the PDF or spreadsheet (_XLS name extension) version, right click and choose ‘Save As…’.

Print a Report

Select the PDF or spreadsheet (_XLS name extension) version, right click and choose ‘Print…’ for printing options or ‘Print’ to print directly.

Email a Report

Open the report and use the email function of the program used to open it (e.g. in File or Office Button menu).

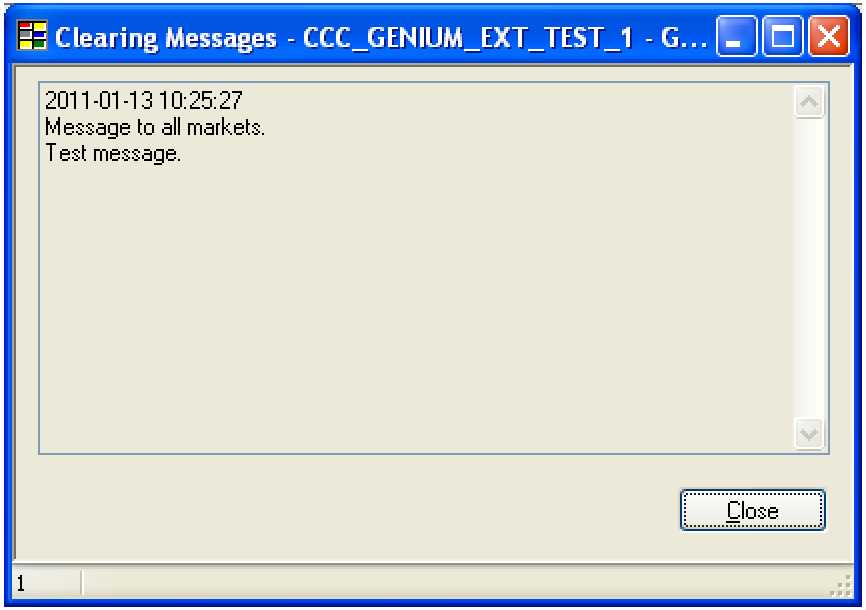
Reports

A detailed report manual can be found on this link.

- **Accumulated Amounts Clearing Account** – detailed bond forward amounts.
- **Accumulated Amounts Trading Account** – detailed bond forward amounts.
- **Cash Settlement** – all daily settlement.
- **Collateral** – collateral that a custodian institution will collect from members and direct pledging customers.
- **Exercise and Closing** – exercised/assigned options, closed forwards and closed deliverable futures.
- **Forward Mark-to-Market Fixed Income** - Cash settlement for fixed income forwards.
- **Future Mark to Market** – daily mark to market amounts for all future positions.
- **Interest Rate Swap** – detailed csv report with all known considerations.
- **Margin Data** – data used for margin calculations.
- **Margin Requirement** – Margin requirements per account.
- **Physical Settlement** – stock deliveries.
- **Physical Settlement Fixed Income** - bonds that are to be received/delivered when forward contracts expire and the fees charged in connection with physical settlement.
- **Positions** – all positions and the margin required for each position.
- **Positions Non-Propagated Margin** - Positions on the Position Account regardless of margin propagations.
- **Positions not Exercised** – all options not exercised or assigned on the standard expiry date.
- **Repo Physical Settlement** – detailed info of Repo deliveries.
- **Repo Trades/Repo Trades Clearing Account** - Repo trades that are placed on a trading account/propagated to a clearing account
- **Series Information** - Series and corresponding attributes.
- **Series Automatically Exercised** – All series that will be automatically exercised on the expiration day.
- **Swap Flow** – detailed info of the next consideration, both fixed and floating.
- **Trade Exceptions** – rectified trades, give ups, take ups and position transfers made on a specific date.
- **Trades** – all trades (with premiums and fees) made on a specific date.
- **Volume Discounts Fixed Income** - Quarterly discounts for fixed income products.

CW Menu: Clearing: Clearing Messages

View information and disturbance messages sent from the Exchange.



The Clearing Messages menu option shows messages sent from the central Clearing Office to the member's Clearing Workstation. Clearing Messages notification options can be set under ‘Edit’ – ‘Properties’ – ‘User configuration’.

Test Systems

Test system 1 (trading and clearing)
Open for trading 08:15-15:00 CET.

Test system 3 (trading only)
Open for trading 08:00-23:00 CET.

For details please visit http://nordic.nasdaqomxtrader.com/memberextranet/genium_inet/testing/
(username: omse password: member)

2. Products

Exchange-traded and cleared

- -Standardized equity and index-related contracts
- -On-request contracts on Finnish shares

Cleared only

- -Tailor Made contracts
- -Fixed Income products

NASDAQ OMX Derivatives Markets offers…

Exchange traded single stock products

Options:

- Swedish, Norwegian, Finnish, Danish and Russian stocks

Futures:

- Swedish, Norwegian, Danish and Russian stocks

Forwards:

- Swedish, Finnish and Norwegian stocks

Binary options:

- Swedish stocks

Exchange traded index products

Options:

- Swedish (OMXS30), Norwegian (OMXO20), Nordic (VINX), Danish (C20CAP, OMXC20) and Russian (NORUX) indexes

Futures:

- Swedish (OMXS30 and OMXSB), Norwegian (OMXO20), Danish (C20CAP, OMXC20), Nordic (VINX), Baltic (OMXB10), Russian (NORUX) and Nordic Sector indexes

Binary options:

- Swedish index (OMXS30)

Tailor Made Products

Single Stock Options:

- Danish, Finnish, Norwegian, Russian, Swedish

Index Options:

- Danish, Euro, Norwegian, Russian, Swedish

Single Stock Forwards:

- Danish, Finnish, Norwegian, Russian, Swedish

Index Forwards:

- Danish, Euro, Norwegian, Russian, Swedish

Fixed Income products

Options:

- Swedish STIBOR Option (FRA), Swedish Government Bond Forward Options (R)

Futures:

- Danish Mortgage Bond Future (MBF), Danish CIBOR Future (CIBOR), Swedish Policy Rate Future (RIBA), Swedish STIBOR Future (3MSTIB), Swedish Government Bond Future (2, 5 and 10STAT)

Forwards:

- Norwegian NIBOR Forward (NFRA), Swedish STIBOR Forward (FRA), Swedish Government Bond Forward, Swedish Mortgage Bond Forward

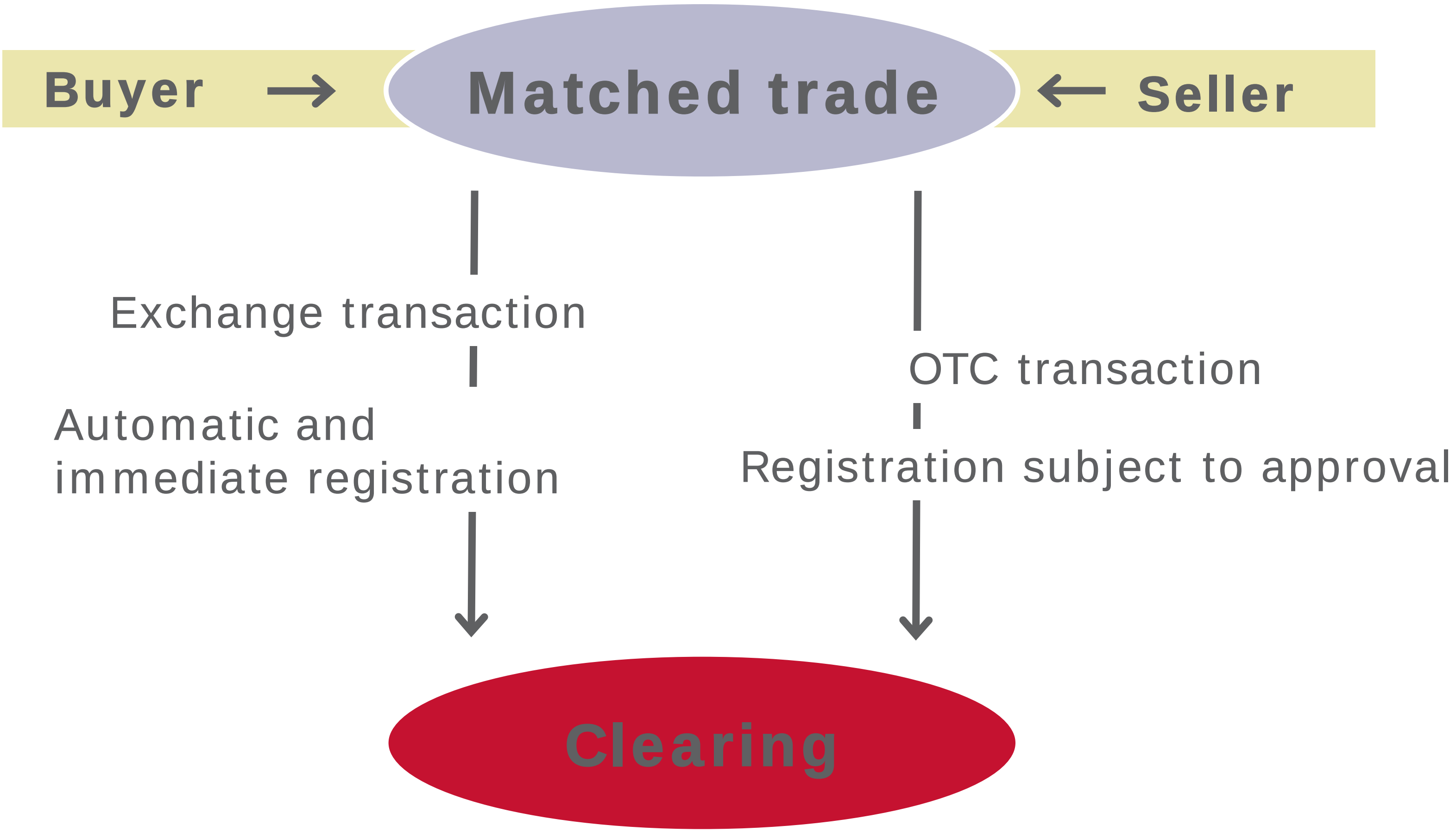
Repo:

- Benchmark Bonds

Interest rate swaps:

- Plain vanilla SEK IRS

Exchange and OTC Transactions are registered.



Option Holder versus Writer

- Buyer/Holder = Pays for the right to buy or sell shares in the future at a predetermined price.
- Seller/Writer = Gets paid for giving this right to the buyer.

	Holder (Long)	Writer (Short)
Call	You have the *right to buy* the shares if you want to.	You are *obligated to sell* your shares if the holder wants to use the option.
Put	You have the *right to sell* your shares if you want to.	You are *obligated to buy* the shares if the holder wants to use the option.

NASDAQ OMX Website Product Information

- **Appendices of the Regulations of NASDAQ OMX Derivatives Markets (General Rules – Derivatives - Chapter 5 Appendices);**

Fee list (also Market Maker and Proprietary fee list).

Quotation list (Expiration months and exercise price intervals).

Parameter Value list.

http://nasdaqomx.com/listingcenter/nordicmarket/rulesandregulations/

- **Other information;**

Product Information.

http://nordic.nasdaqomxtrader.com/trading/optionsfutures/Product_Information/

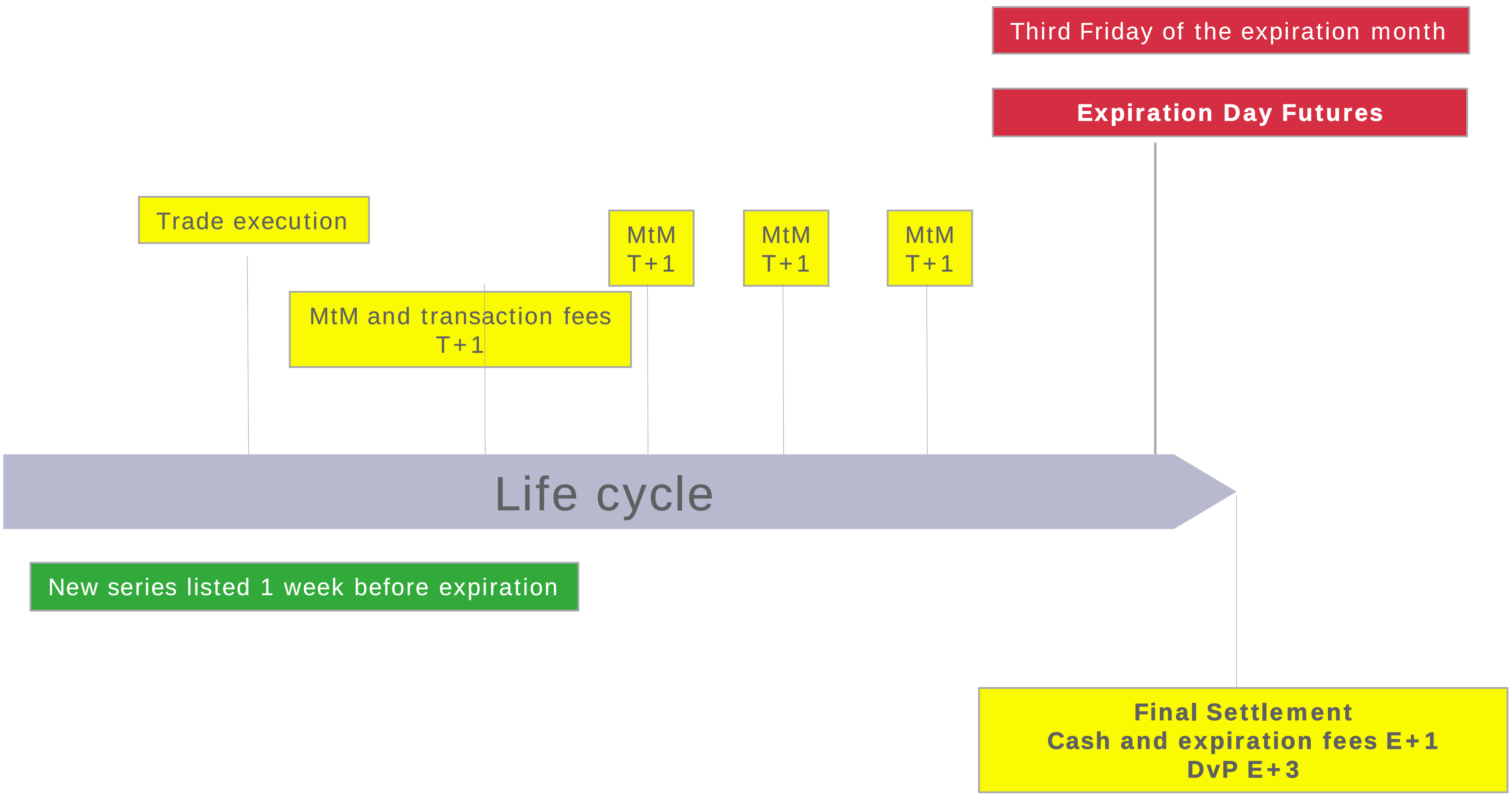
Trading hours and calendars (with expiration dates etc).

http://nordic.nasdaqomxtrader.com/trading/tradinghours/

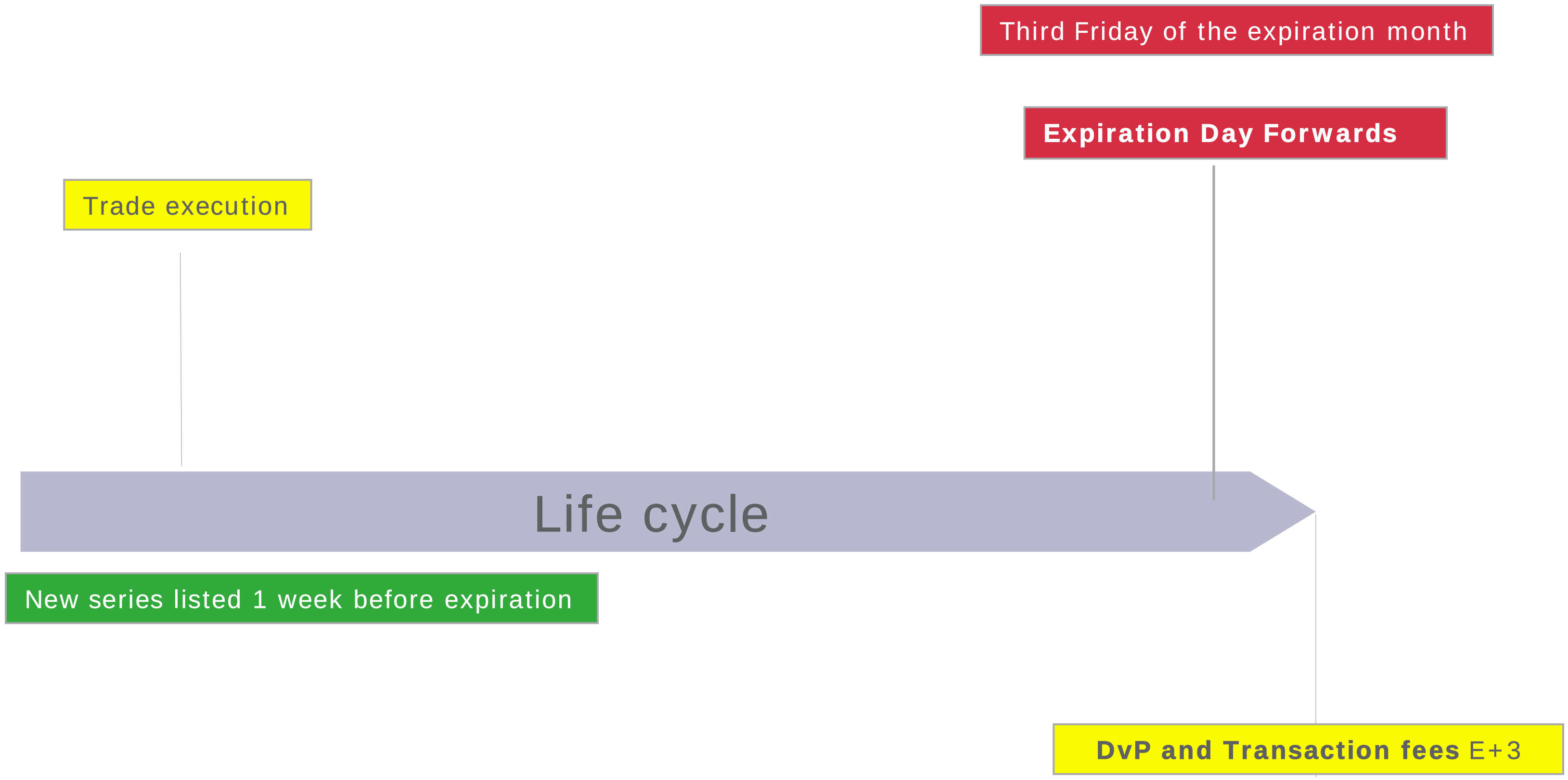
Option & Futures Prices (click underlying for derivatives prices, volume, OI, number of underlyings).

http://www.nasdaqomxnordic.com/optionsandfutures/?languageId=1

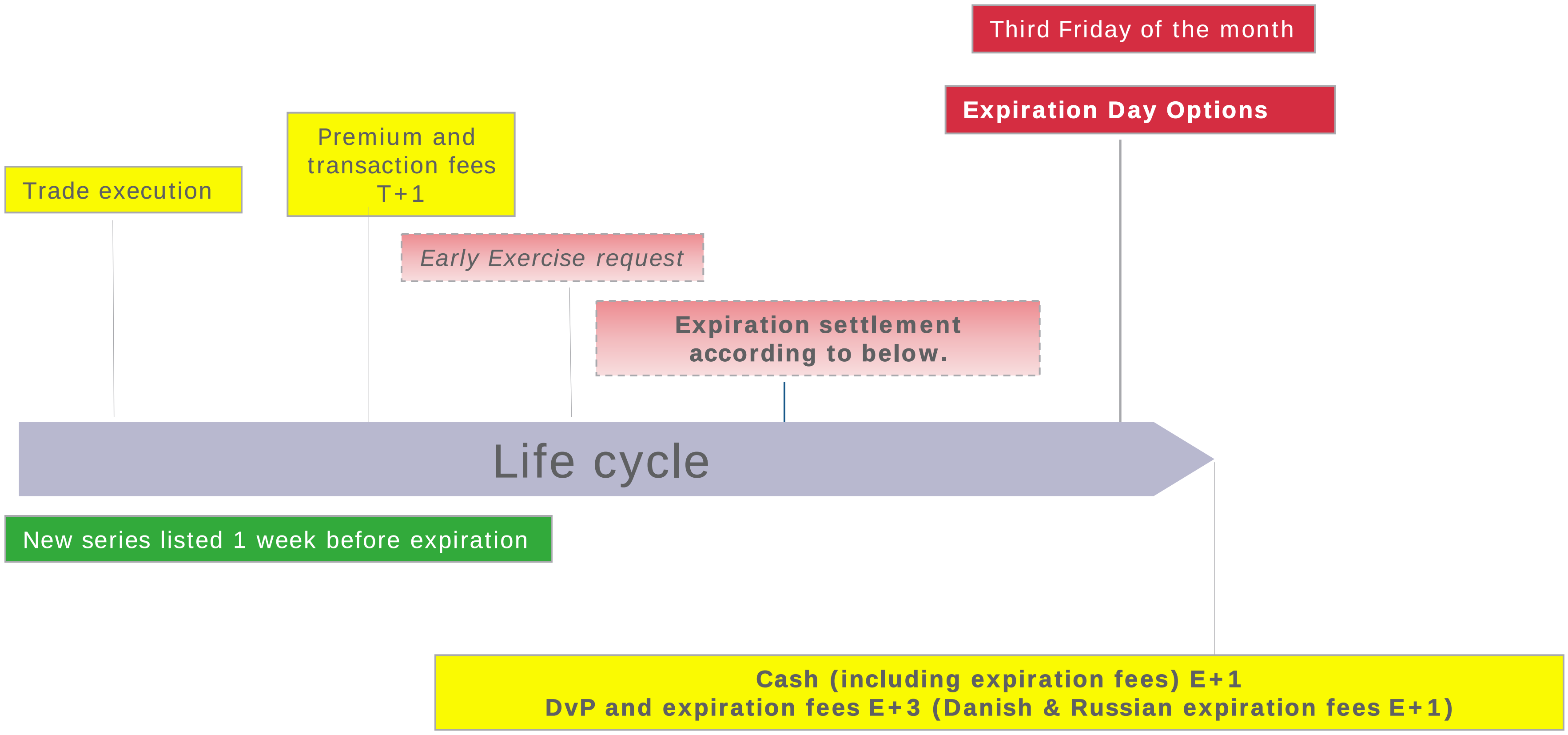
Futures


Third Friday of the expiration month
Expiration Day Futures
Trade execution
MtM T+1
MtM T+1
MtM T+1
MtM and transaction fees T+1
Life cycle
New series listed 1 week before expiration
Final Settlement
Cash and expiration fees E+1
DvP E+3

Forwards


Third Friday of the expiration month
Expiration Day Forwards
Trade execution
Life cycle
New series listed 1 week before expiration
DvP and Transaction fees E+3

Options


Third Friday of the month
Expiration Day Options
Premium and transaction fees T+1
Trade execution
Early Exercise request
Expiration settlement according to below.
Life cycle
New series listed 1 week before expiration
Cash (including expiration fees) E+1
DvP and expiration fees E+3 (Danish & Russian expiration fees E+1)

Option Types

- American options – can be prematurely exercised. Standard single stock options are American options (except Russian products).
- European options – cannot be prematurely exercised. Standard index options are European options.

New Series

- When a new expiration month is about to be listed the new Series will be available for trading on the Monday in the expiration week. Details of what series that will be listed can be found in the Quotation List appendix to the Rules and Regulations.

Equity Related Series Name Standard

A standard series name consists of underlying + year + month code + strike price (if option) + x or y or z (if changed due to an issue one or more times).

Examples:

ERICB2M70 (stock option)

•ERICB = Underlying = Ericsson B
•2 = Year = 2012
•M = Month Call/Put = January Put
•70 = Strike price

OMXS302A (index future)

•OMXS30 = Underlying
•2 = Year = 2012
•A = Expiration month = January

A Tailor Made series name consists of underlying + year + date + month code + strike price (if option) + x or y or z (if changed due to an issue one or more times).

Example:

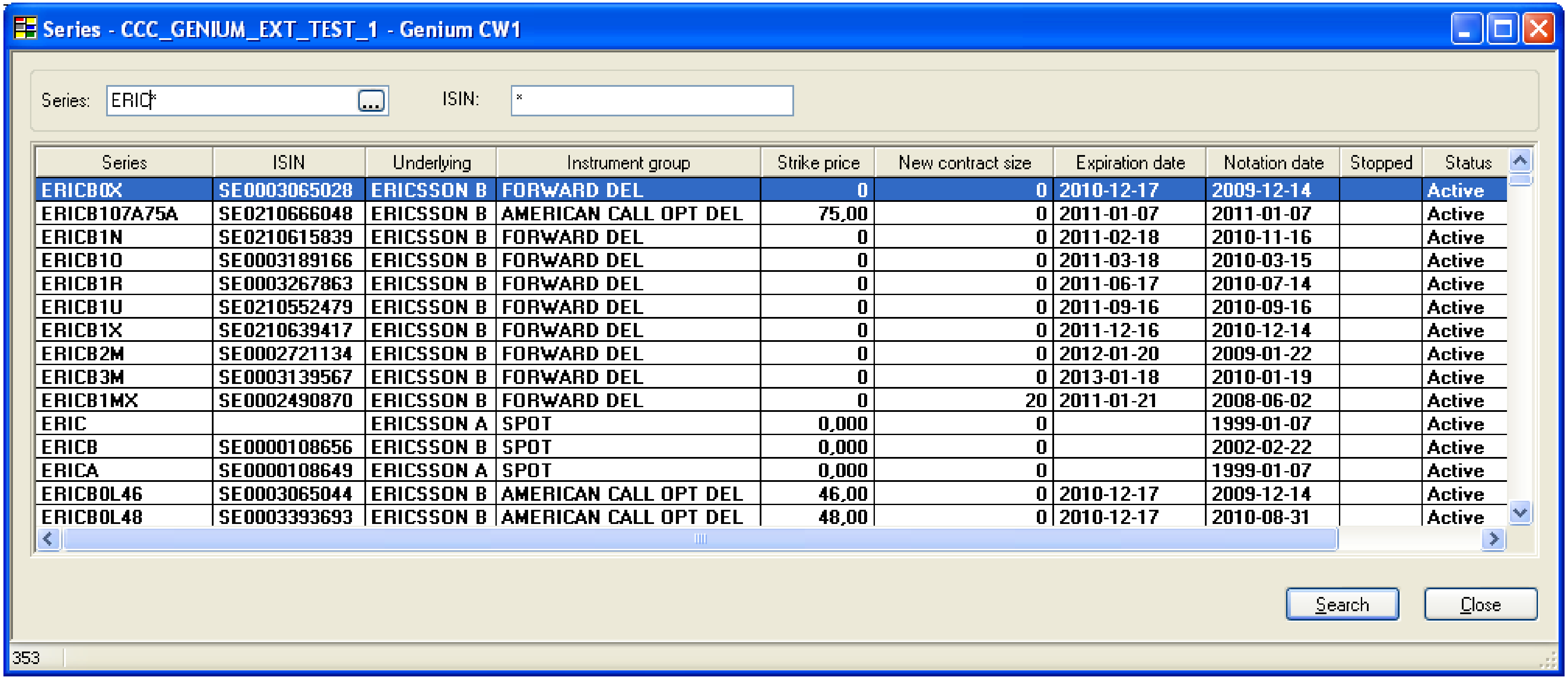
ERICB218A75EX (TM stock option)

•ERICB = Underlying = Ericsson B
•2 = Year = 2012
•18 = Expiration Date
•A = Call/Put Month = January Call
•75 = Strike price
•E = Option Type = European
•X = Series changed due to issue.

Expiration month codes:	Calls & futures	Puts & forwards
Jan	A	M
Feb	B	N
Mar	C	O
Apr	D	P
May	E	Q
Jun	F	R
Jul	G	S
Aug	H	T
Sep	I	U
Oct	J	V
Nov	K	W
Dec	L	X

CW Menu: Series: Series

View generic series information.



Series	ISIN	Underlying	Instrument group	Strike price	New contract size	Expiration date	Notation date	Stopped	Status
ERICB0X	SE0003065028	ERICSSON B	FORWARD DEL	0	0	2010-12-17	2009-12-14		Active
ERICB107A75A	SE0210666048	ERICSSON B	AMERICAN CALL OPT DEL	75,00	0	2011-01-07	2011-01-07		Active
ERICB1N	SE0210615839	ERICSSON B	FORWARD DEL	0	0	2011-02-18	2010-11-16		Active
ERICB1O	SE0003189166	ERICSSON B	FORWARD DEL	0	0	2011-03-18	2010-03-15		Active
ERICB1R	SE0003267863	ERICSSON B	FORWARD DEL	0	0	2011-06-17	2010-07-14		Active
ERICB1U	SE0210552479	ERICSSON B	FORWARD DEL	0	0	2011-09-16	2010-09-16		Active
ERICB1X	SE0210639417	ERICSSON B	FORWARD DEL	0	0	2011-12-16	2010-12-14		Active
ERICB2M	SE0002721134	ERICSSON B	FORWARD DEL	0	0	2012-01-20	2009-01-22		Active
ERICB3M	SE0003139567	ERICSSON B	FORWARD DEL	0	0	2013-01-18	2010-01-19		Active
ERICB1MX	SE0002490870	ERICSSON B	FORWARD DEL	0	20	2011-01-21	2008-06-02		Active
ERIC		ERICSSON A	SPOT	0,000	0		1999-01-07		Active
ERICB	SE0000108656	ERICSSON B	SPOT	0,000	0		2002-02-22		Active
ERICA	SE0000108649	ERICSSON A	SPOT	0,000	0		1999-01-07		Active
ERICB0L46	SE0003065044	ERICSSON B	AMERICAN CALL OPT DEL	46,00	0	2010-12-17	2009-12-14		Active
ERICB0L48	SE0003393693	ERICSSON B	AMERICAN CALL OPT DEL	48,00	0	2010-12-17	2010-08-31		Active

CW Menu: Series: Series

View generic series information.

How to Search.

Series: Enter series name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

ISIN: An ISIN code can be specified. One or more wildcards can be used. * substitutes for zero or more of any characters.

Information notes.

New contract size: If the contract size has change due to an issue the new contract size is specified here.

Contr size: The original contract size. If the size is changed due to an issue the new size can be found under ‘New contract size’

3. Accounts

Client Clearing Models

NASDAQ OMX offers two client clearing models; Principal Model and Agency Model. Accounts belonging to both clearing models can be setup under one single membership and even under the same MPID with the limitation that an account for trading within the Principal Model cannot have a position account within the Agency Model, and vice versa. Agency Model accounts cannot be setup under NCM MPIDs.

Principal Clearing Model

In the Principal Clearing Model the contractual agreement is between the clearing member and NASDAQ OMX. This means that there is counterparty risk between the end-customer and the member and vice versa when using the Principal Clearing Model. NASDAQ OMX still assumes counterparty risk between the buyer and the seller but where the Principal Clearing Model is used the clearing house assumes the counterparty risk with the member and not the end-customer.

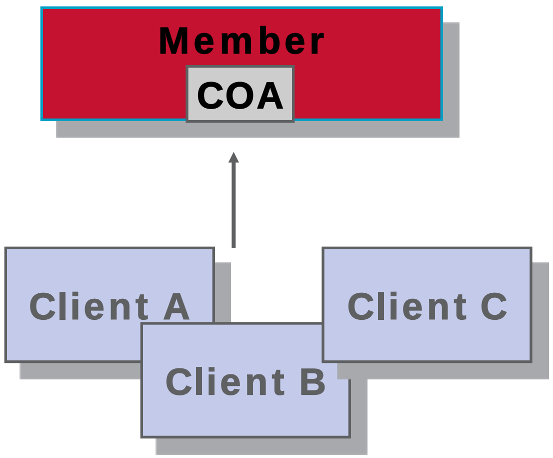
Agency Clearing Model

In the Agency Clearing Model there is a contractual relationship between NASDAQ OMX and the end-customer. The relationship limits the risk end-customers have on the member. The contractual administration is handled through an external unit (Clearing Control CC AB, situated in Stockholm, Sweden). This unit ensures that the end-customers remain anonymous to NASDAQ OMX while maintaining a contractual agreement between end-customer, member and NASDAQ OMX. In the Agency Clearing Model, NASDAQ OMX not only replaces the counterparty risk between members but also replaces the credit risk between the member and the end-customer. This is achieved by the direct contractual agreement between the end-customers and the clearinghouse. As a consequence each end-customer holds an individual account where risk is calculated. To uphold counterparty protection for each end-customer it is not possible to net or set off positions between end-customer accounts. In the event of member default the customer's positions will be separated from the member's positions and NASDAQ OMX will try to find another member to take over the end-customers positions if possible. The end-customer account allows us to facilitate detailed post trade information, e.g. end-customer specific transaction information, margin calculation and settlement flows per individual customer account.

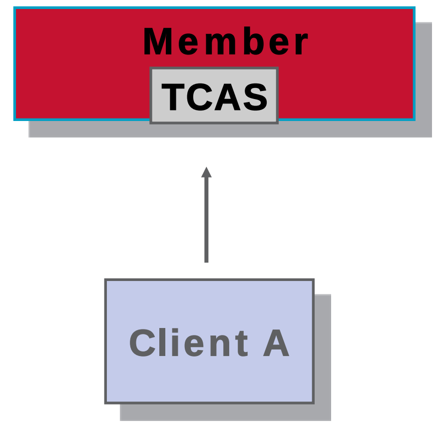
As a service to members NASDAQ OMX Derivatives Markets offers the opportunity to connect sub-accounts to some account types. The sub-account holds the position and the member can trade directly on that account. Events occurring on the sub-account will be reflected in reports on the sub-account level. All reports are for informational purpose only since the contractual arrangements are on the main account under which the sub-account is connected.

Principal Clearing Model

Client Omnibus Account



Segregated Account



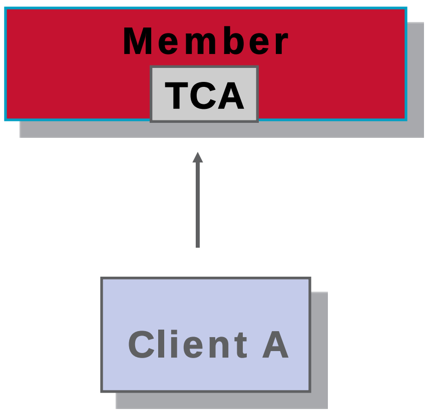
COA = Client Omnibus Account

TCAS = Segregated Account

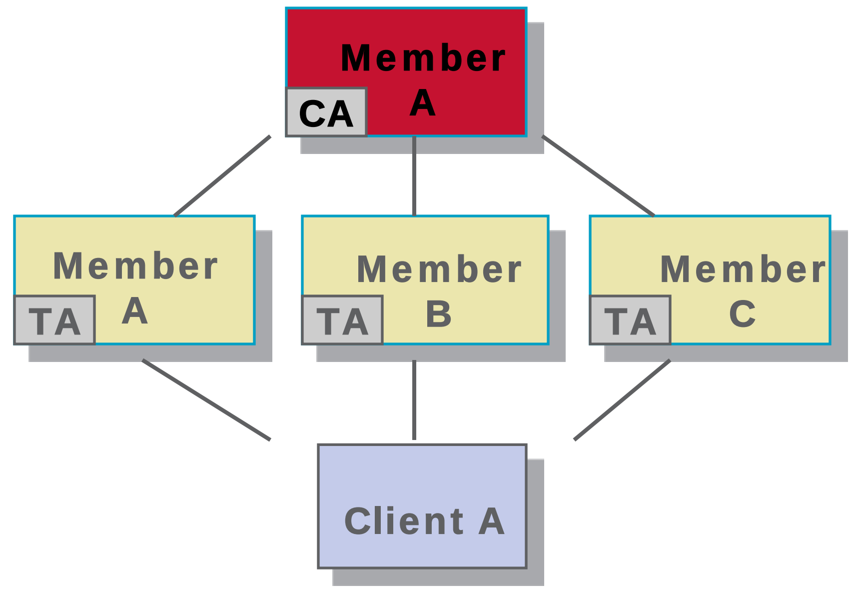
One or several Allocation Accounts can also be setup at other members for trading and be connected to an omnibus or segregated account for clearing.
Accounts opened by a GCM for NCM transactions have functionality according to their account type, but contracts recorded on any such account are deemed to be recorded on a segregated account.

Agency Clearing Model

Integrated Trading and Clearing Account



Separated Trading and Clearing Accounts



TCA = Trading & Clearing Account

TA = Trading Account

CA = Clearing Account

Account Type Structure

The main acronym in each box is the account type.
The common name standard for each account type is stated within brackets.

Temporary Accounts

DA (DA, DK)
Daily Account
Normally empties to IA.

IA (IA, IK)
Interims Account

APT (APT)
Average Price Trade Account

Proprietary Accounts

MM (memberID+MM)
Market Maker Account
Setup with separate member ID.

OI (HA, FR)
House Account

LPH (LP+number)
Liquidity Provider House
Setup with separate member ID.

Remarks

Basic structure.

On member request.

If Principal Model clients.

Margin or position propagation.

Principal Model Client Accounts

AA (number)
Allocation Account
Propagates Position.

COA (CA)
Client Omnibus Account

TCAS (number)
Segregated Account

LPC (LP+number)
Liquidity Provider Client
Setup with separate member ID.

DSUBMCN (number)
Principal Designated Sub Account Net
Propagates margin.

SUBMC (number)
Principal Sub Account
Propagates margin.

Agency Model Customer Accounts

Agency Trading accounts are not available for NCMs.

TCA (number)
Trading and Clearing Account

CA (number)
Clearing Account

TA (number)
Trading Account
Propagates Position.

SUBEC (number)
Agency Sub Account
Propagates margin.

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Account Types (see section 3.5 in Rules and Regulations)

Account Type	Name standard	Description	Category	Position Netting	Setup By	Volume discounts	Comment
AA	Usually a number (up to 10 characters).	Allocation Account	Client (Principal Trading)	n/a	NASDAQ OMX	Yes	Trading only account used if the clearing account is within the Principal trading model.
APT	APT	Average Price Trade Account	Temporary	n/a	NASDAQ OMX	n/a	Used only for calculation of average prices when several trades are merged into one average priced trade.
CA	Usually a number (up to 10 characters).	Clearing Account	Customer (Agency Trading)	Yes	CCAB	Yes	Not available for NCMs. Agency clearing account.
COA	CA	Client Omnibus Account	Client (Principal Trading)	No	NASDAQ OMX	No	Aggregated Agency Client Account. One or several clients.
DA	DA, DK	Daily Account	Temporary	No	NASDAQ OMX	n/a	Transitory account. Normally Default Account. Will at the end of day automatically emtpty, usually to IA.
DSUBMCN	Usually a number (up to 10 characters).	Principal Designated Sub Account Net	Client (Principal Trading)	Yes	NASDAQ OMX	Yes	Used to administer client positions, settlement flows and margins on COA or TCAS accounts but with no legal relevance. Only one single client. Volume discounts. Nets positions.
IA	IA, IK	Interims Account	Temporary	No	NASDAQ OMX	Yes	For not yet allocated trades.
LPC	LP + number	Liquidity Provider Client Account	Client (Principal Trading)	Yes	NASDAQ OMX	LP fees when applicable, otherwise Yes	One single client. Must have sponsored access.
LPH	LP + number	Liquidity Provider House Account	Proprietary	Yes	NASDAQ OMX	LP or OI fees when applicable, otherwise Yes	
MM	MPID + MM	Market Maker Account	Proprietary	Yes	NASDAQ OMX	MM or OI fees when applicable, otherwise Yes	Setup with a separate member MPID. Price quotation responsibility.
OI	HA, FR	Own Inventory Account	Proprietary	Yes	NASDAQ OMX	MM or OI fees when applicable, otherwise Yes	House account.
SUBEC	Usually a number (up to 10 characters).	Agency Sub Account	Customer (Agency Trading)	Yes	NASDAQ OMX	Yes	Not available for NCMs. Used to administer client positions, settlement flows and margins on TCA accounts but with no legal relevance. Volume discounts.
SUBMC	Usually a number (up to 10 characters).	Principal Sub Account	Client (Principal Trading)	No	NASDAQ OMX	No	Used to administer client positions, settlement flows and margins on COA or TCAS accounts but with no legal relevance.
TA	Usually a number (up to 10 characters).	Trading Account	Customer (Agency Trading)	n/a	CCAB	Yes	Not available for NCMs. Trading only account used if the clearing account is within the Agency trading model.
TCA	Usually a number (up to 10 characters).	Trading and Clearing Account	Customer (Agency Trading)	Yes	CCAB	Yes	Not available for NCMs. Basic integrated trading and clearing account for agency customer.
TCAS	Usually a number (up to 10 characters).	Segregated Account	Client (Principal Trading)	Yes	CCAB (NOMX if SA-client)	Yes	One single client.

NASDAQ OMX

Anonymous end client handling

- NASDAQ OMX practices anonymous end client handling.
- Clearing Control AB (CCAB) handles all end-client account administration.

Contact information CCAB:

Clearing Control AB

Blasieholmen 5, 6tr

Box 1426

111 84 Stockholm

Email: ccab@fondhandlarna.se

Phone: +46 8 56 26 0720

Fax: +46 8 611 64 78

Customer Agreement A

Available in chapter 5 in Rules and Regulations.

- Integrated trading and clearing account, TCA, with pledge between end-customer and the member (called indirect pledge).
- Send to CCAB, who will register and activate the account.
- TCA accounts can not be connected to a trading account with another member.

Customer Agreement B
Available in chapter 5 in Rules and Regulations.

B1: Clearing account with direct pledge between the end-client and NASDAQ OMX.
Completed and signed by the clearing member and the end-client. One copy is sent to CCAB and one copy to the Custodian Institute (CI) (unless the CI and the clearing member are the same). One original is kept by the clearing member and one original is kept by the end-client.

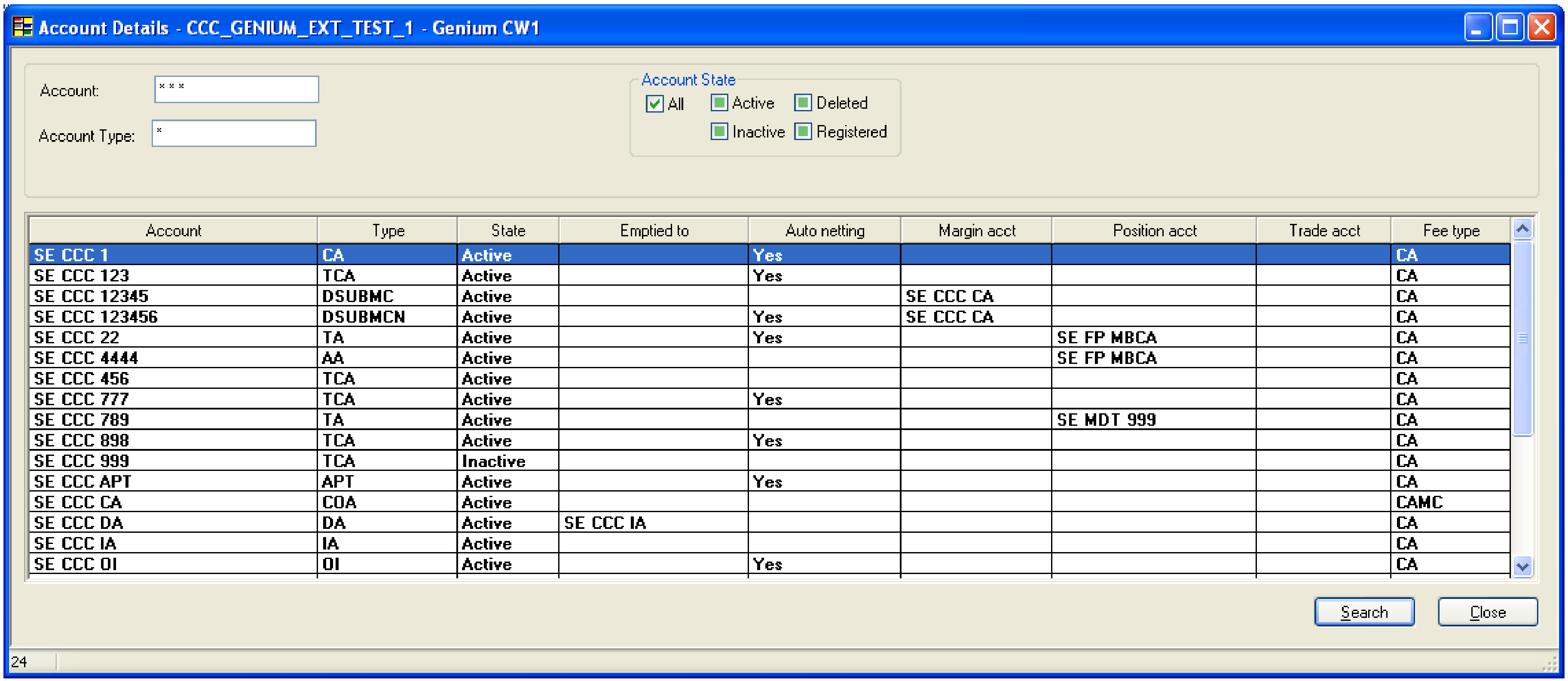
B2: Trading account to connect to the clearing account.
Completed and signed by the executing member and the end-client. One copy is sent to the clearing member who signs and forwards it to CCAB. One original is kept by the executing member and one original is kept by the end-client.

B3: Pledge
Completed and signed by the CI and the pledgor. A copy is sent to CCAB. One original is kept by the CI and one original is kept by the pledgor.

B4: Pledge confirmation from the CI.
Completed and signed by CI. A copy is sent to CCAB for registration. CCAB will forward information to NASDAQ OMX for activation. The original is sent to NASDAQ OMX. NASDAQ OMX will send a signed copy to CI. The original is kept by NASDAQ OMX.

CW Menu: Account: Account Details

Information on how the accounts are setup.



Account	Type	State	Emptied to	Auto netting	Margin acct	Position acct	Trade acct	Fee type
SE CCC 1	CA	Active		Yes				CA
SE CCC 123	TCA	Active		Yes				CA
SE CCC 12345	DSUBMC	Active			SE CCC CA			CA
SE CCC 123456	DSUBMCN	Active		Yes	SE CCC CA			CA
SE CCC 22	TA	Active		Yes		SE FP MBCA		CA
SE CCC 4444	AA	Active				SE FP MBCA		CA
SE CCC 456	TCA	Active						CA
SE CCC 777	TCA	Active		Yes				CA
SE CCC 789	TA	Active				SE MDT 999		CA
SE CCC 898	TCA	Active		Yes				CA
SE CCC 999	TCA	Inactive						CA
SE CCC APT	APT	Active		Yes				CA
SE CCC CA	COA	Active						CAMC
SE CCC DA	DA	Active	SE CCC IA					CA
SE CCC IA	IA	Active						CA
SE CCC OI	OI	Active		Yes				CA

CW Menu: Account: Account Details

Information on how the accounts are setup.

How to Search.

Account: Enter account name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character. Click the Search button.

Information Notes.

Type: Please see the previous pages for account type details.

Emptied to: Identifies to which account left-over trades on the daily account are transferred at the end of the day.

Auto-netting: Specifies if the positions on the account will be automatically netted or not in the After Business routine.

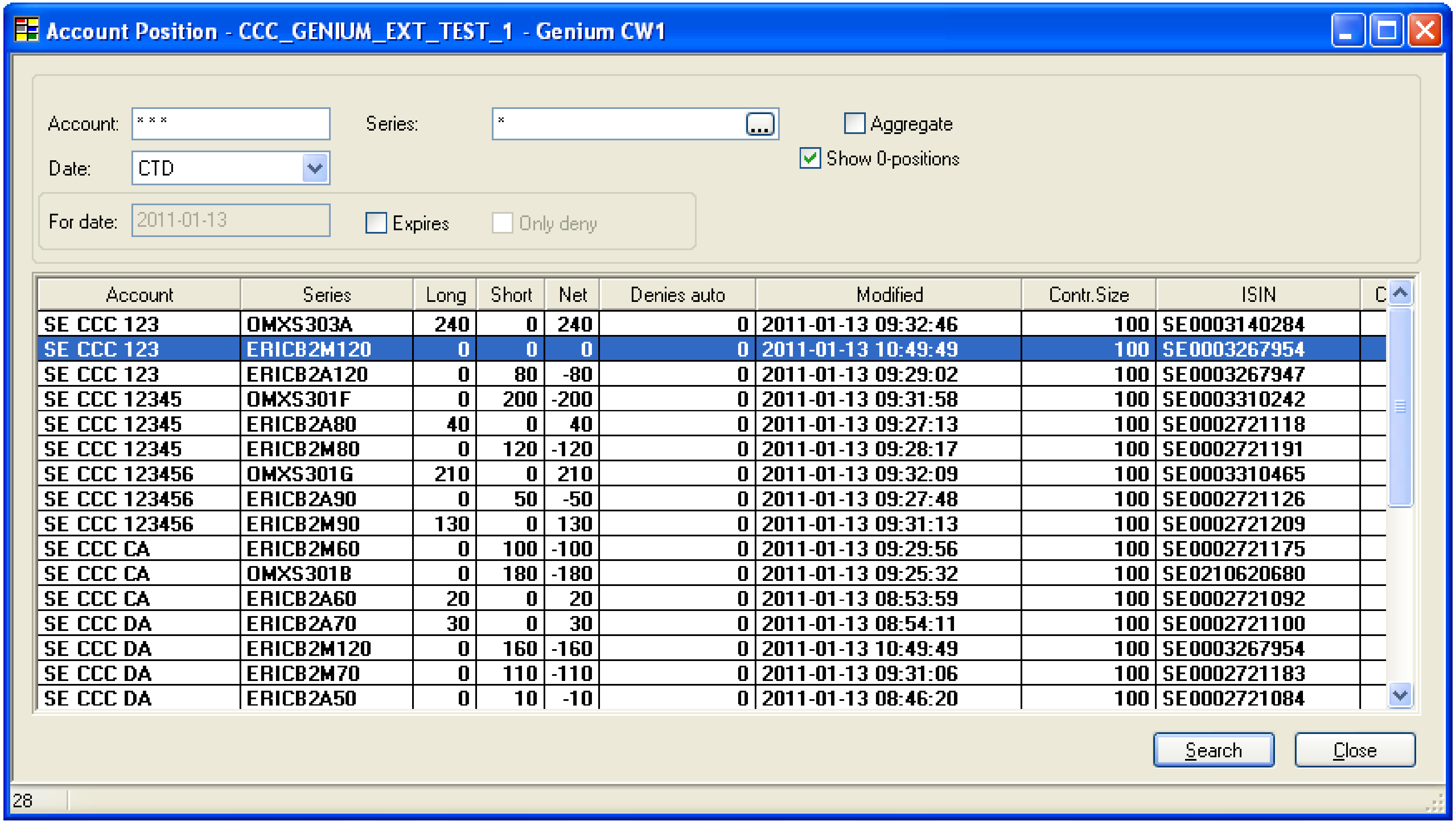
Margin acct: Specifies if margin is propagated to another account.

Position acct: Specifies if positions are propagated to another account.

Trade acct: Specifies if trades are propagated to another account.

CW Menu: Account: Account Position

Displays positions on one or several accounts.



Account	Series	Long	Short	Net	Denies auto	Modified	Contr.Size	ISIN	C
SE CCC 123	OMXS303A	240	0	240	0	2011-01-13 09:32:46	100	SE0003140284	
SE CCC 123	ERICB2M120	0	0	0	0	2011-01-13 10:49:49	100	SE0003267954	
SE CCC 123	ERICB2A120	0	80	-80	0	2011-01-13 09:29:02	100	SE0003267947	
SE CCC 12345	OMXS301F	0	200	-200	0	2011-01-13 09:31:58	100	SE0003310242	
SE CCC 12345	ERICB2A80	40	0	40	0	2011-01-13 09:27:13	100	SE0002721118	
SE CCC 12345	ERICB2M80	0	120	-120	0	2011-01-13 09:28:17	100	SE0002721191	
SE CCC 123456	OMXS301G	210	0	210	0	2011-01-13 09:32:09	100	SE0003310465	
SE CCC 123456	ERICB2A90	0	50	-50	0	2011-01-13 09:27:48	100	SE0002721126	
SE CCC 123456	ERICB2M90	130	0	130	0	2011-01-13 09:31:13	100	SE0002721209	
SE CCC CA	ERICB2M60	0	100	-100	0	2011-01-13 09:29:56	100	SE0002721175	
SE CCC CA	OMXS301B	0	180	-180	0	2011-01-13 09:25:32	100	SE0210620680	
SE CCC CA	ERICB2A60	20	0	20	0	2011-01-13 08:53:59	100	SE0002721092	
SE CCC DA	ERICB2A70	30	0	30	0	2011-01-13 08:54:11	100	SE0002721100	
SE CCC DA	ERICB2M120	0	160	-160	0	2011-01-13 10:49:49	100	SE0003267954	
SE CCC DA	ERICB2M70	0	110	-110	0	2011-01-13 09:31:06	100	SE0002721183	
SE CCC DA	ERICB2A50	0	10	-10	0	2011-01-13 08:46:20	100	SE0002721084	

NASDAQ OMX

CW Menu: Account: Account Position

Displays positions on one or several accounts.

How to Search.

Account: Enter account name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

Series: Enter series name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

Date: CTD=Current Trading Date=The current positions. O/N=Overnight=Positions from the previous trading date.

For date: If only positions expiring on a specific date should be displayed; Check ‘Expires’ and choose a date. If only positions from a specific date that have been excluded from automatic exercise should be displayed; Check ‘Only deny’ after checking ‘Expires’ and choosing a date.

Aggregate: If checked, positions of the same series are aggregated for all accounts matching the search criteria.

Show 0-positions: Check the checkbox to display zero positions (i.e. positions that once were

non-zero but was closed) which are retained until expiration.

Click the Search button.

Information Notes.

Long: Quantity of long (held/bought/buy) contracts, i.e. the difference between held and written contracts if positive.

Short: Quantity of short (written/sold/sell) contracts, i.e. the difference between written and held contracts if positive.

Net: The net quantity of contracts.

Denies auto: Quantity of long contracts that should not participate in the general exercise.

Contr size: Number of underlyings in a contract.

CW Menu: Account: Account Position

Displays positions on one or several accounts.

Account Position Window Functions;

Show all trades for a selected position.

Left-click an account/series to select it. Right-click the position and choose ‘Trade History’. From the Trade History window rectifications and give ups can be performed.

Request an Exercise.

Left-click an account/series to select it. Right-click the position and choose ‘Exercise Request…’. Specify quantity and click ‘Send’.

Exclude contracts from automatic exercises.

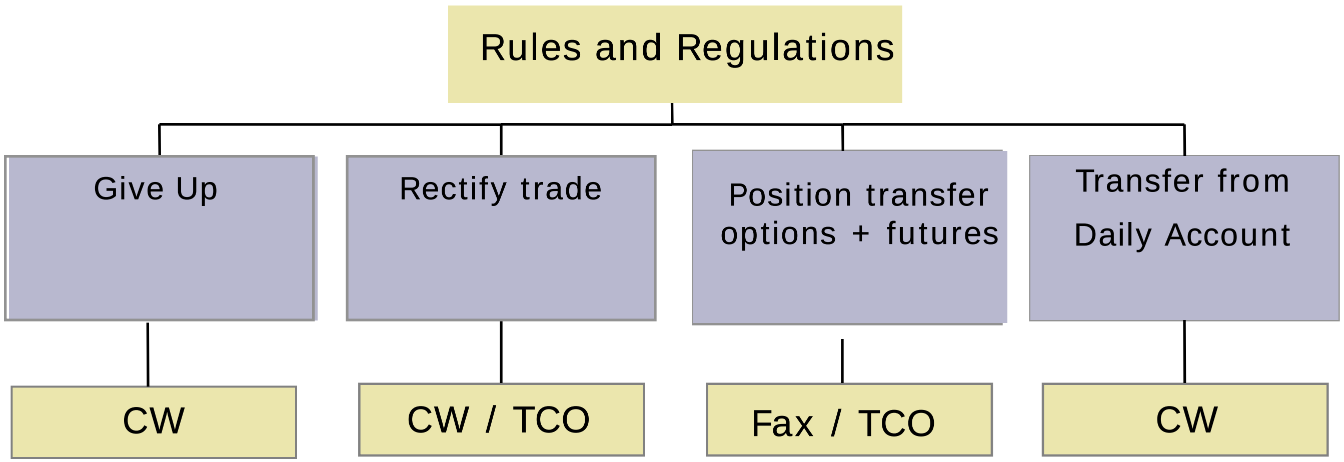
Left-click an account/series to select it. Right-click the position and choose ‘Deny Automatic…’. Specify the quantity and click ‘Send’. The new deny will replace the old deny, not add to it.

Net Down Positions.

Left-click an account/series to select it. Right-click the position and choose ‘Pos. to Net down…’. Specify the quantity and click ‘Send’. Confirm.

4. Re-registration and Give Up

Re-registration and Give Up



CW = Action performed by the members in the CW.
TCO = Action performed by Nasdaq Clearing and Trading Operations.
Fax = Request faxed by the members to TCO.

Rules for Re-registrations and Give Ups

The applicable rules can be found in Rules and Regulations section 3.6.

Position transfer: Registration without premiums and fees. Only the positions are transferred.

- Must be the same account holder (exceptions: inheritance, gift or bequest). Use the Position Transfer form.

Rectify trade: Re-registration with premiums and fees within the same member.

- Must be done before 19:25 CET T+2 when from own inventory or market maker account to client or interim account.

Give up: Functionality to Give up a trade to another member. Fees and premiums will be transferred.

- Must be done before 19:25 CET T+2.

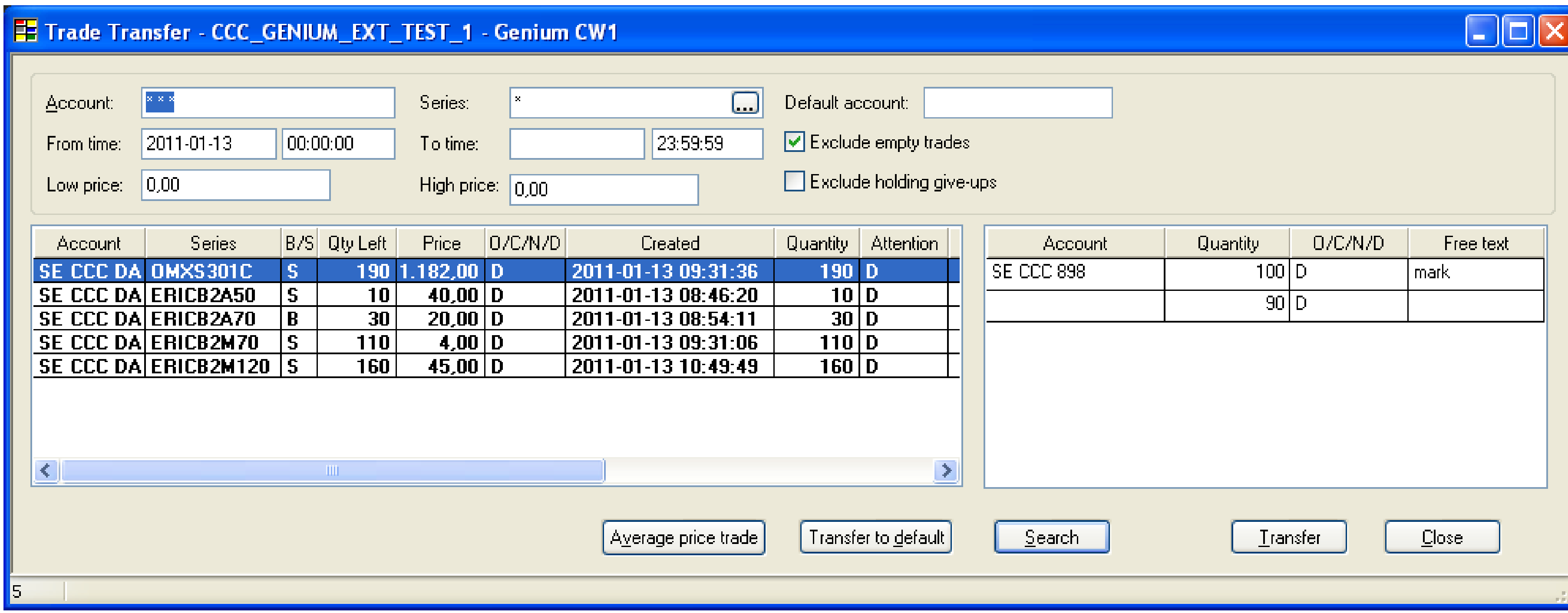
Rules for Rectify Trades

Rectify trades between the below account types will automatically be approved and transferred directly to the new account. Other rectify trades complying with the Rules will be confirmed by NASDAQ OMX Operations.

- OI-OI
- IA-OI
- IA-IA
- IA-Client
- Client-OI
- Client-IA
- Client-Client

CW Menu: Deal-Trade: Transfer from Transitory

Allocate trades from the Daily Account.



NASDAQ OMX℠

CW Menu: Deal-Trade: Transfer from Transitory

Allocate Trades from the Daily Account.

How to Search.

Account: Enter account name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

Series: Enter series name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

From time/To time: Specify a time period when the trade was created. Use format yyyy-mm-dd and hh:mm:ss.

Low price/High price: Specify a price range using max. 2 decimals. The default zero values results in a search for all values.

Click the Search button.

CW Menu: Deal-Trade: Transfer from Transitory

Allocate Trades from the Daily Account.

Transfer From Transitory Window Functions;

<u>Transfer a trade from the daily account.</u>

Search. Select trade(s) in the left pane. In the right pane, specify ‘Account’ and if needed change ‘Quantity’ and ‘Free text’. Click ‘Transfer’

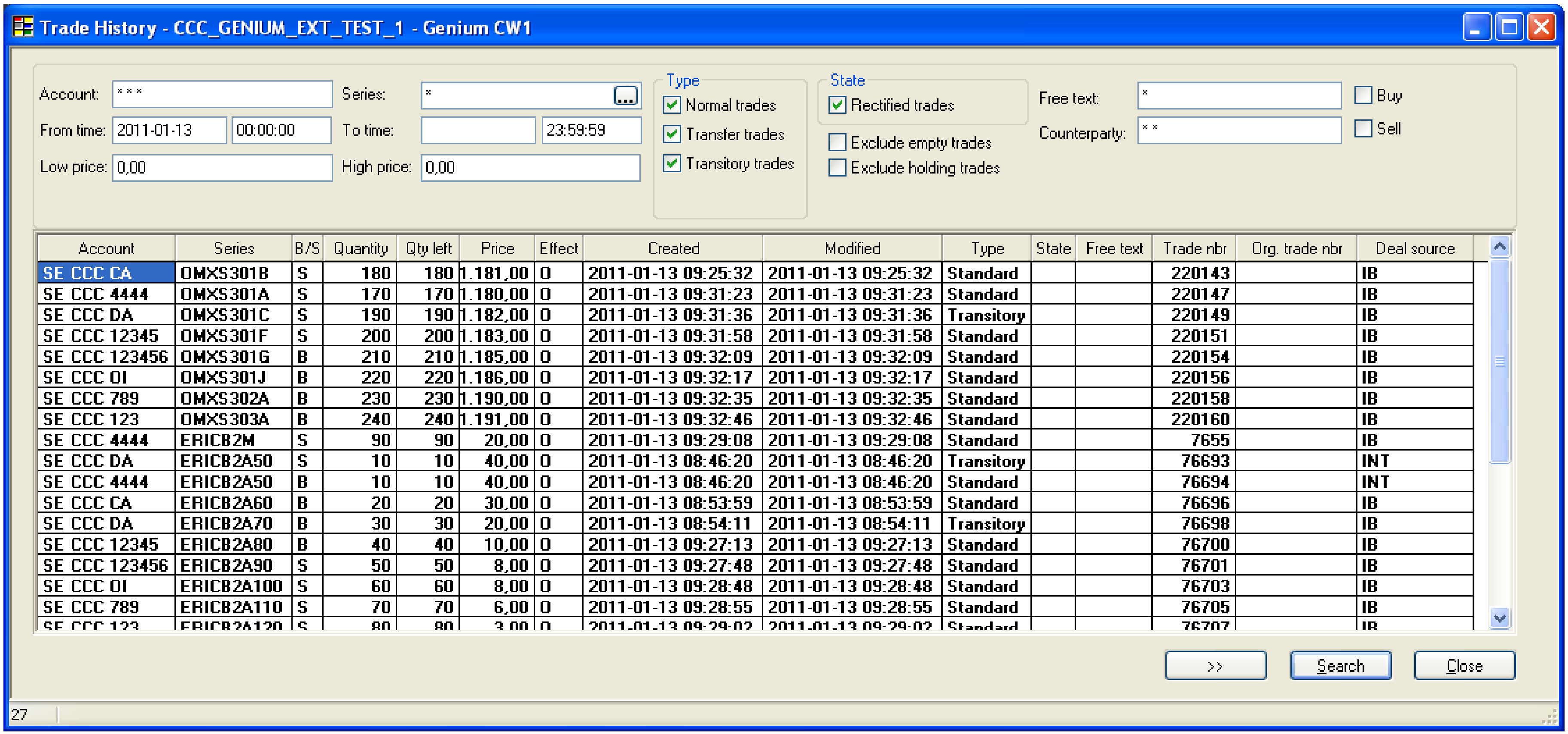
<u>Merge several trades into one average price trade (APT).</u>

Search. In the left pane select the trades that should be included in the APT. Check the values in the new window and click ‘Send’. Only trades made during the current trading day can be included in an APT. All trades in an APT must be within the same series and of the same type (that is, buy or sell). The average price is calculated as a weighted average and is rounded to the number of decimals used for premium in the instrument.

NASDAQ OMX℠

CW Menu: Deal-Trade: Trade History

View trade details and make trade rectifications.



Account	Series	B/S	Quantity	Qty left	Price	Effect	Created	Modified	Type	State	Free text	Trade nbr	Org. trade nbr	Deal source
SE CCC CA	OMXS301B	S	180	180	1.181,00	O	2011-01-13 09:25:32	2011-01-13 09:25:32	Standard			220143		IB
SE CCC 4444	OMXS301A	S	170	170	1.180,00	O	2011-01-13 09:31:23	2011-01-13 09:31:23	Standard			220147		IB
SE CCC DA	OMXS301C	S	190	190	1.182,00	O	2011-01-13 09:31:36	2011-01-13 09:31:36	Transitory			220149		IB
SE CCC 12345	OMXS301F	S	200	200	1.183,00	O	2011-01-13 09:31:58	2011-01-13 09:31:58	Standard			220151		IB
SE CCC 123456	OMXS301G	B	210	210	1.185,00	O	2011-01-13 09:32:09	2011-01-13 09:32:09	Standard			220154		IB
SE CCC OI	OMXS301J	B	220	220	1.186,00	O	2011-01-13 09:32:17	2011-01-13 09:32:17	Standard			220156		IB
SE CCC 789	OMXS302A	B	230	230	1.190,00	O	2011-01-13 09:32:35	2011-01-13 09:32:35	Standard			220158		IB
SE CCC 123	OMXS303A	B	240	240	1.191,00	O	2011-01-13 09:32:46	2011-01-13 09:32:46	Standard			220160		IB
SE CCC 4444	ERICB2M	S	90	90	20,00	O	2011-01-13 09:29:08	2011-01-13 09:29:08	Standard			7655		IB
SE CCC DA	ERICB2A50	S	10	10	40,00	O	2011-01-13 08:46:20	2011-01-13 08:46:20	Transitory			76693		INT
SE CCC 4444	ERICB2A50	B	10	10	40,00	O	2011-01-13 08:46:20	2011-01-13 08:46:20	Standard			76694		INT
SE CCC CA	ERICB2A60	B	20	20	30,00	O	2011-01-13 08:53:59	2011-01-13 08:53:59	Standard			76696		IB
SE CCC DA	ERICB2A70	B	30	30	20,00	O	2011-01-13 08:54:11	2011-01-13 08:54:11	Transitory			76698		IB
SE CCC 12345	ERICB2A80	B	40	40	10,00	O	2011-01-13 09:27:13	2011-01-13 09:27:13	Standard			76700		IB
SE CCC 123456	ERICB2A90	S	50	50	8,00	O	2011-01-13 09:27:48	2011-01-13 09:27:48	Standard			76701		IB
SE CCC OI	ERICB2A100	S	60	60	8,00	O	2011-01-13 09:28:48	2011-01-13 09:28:48	Standard			76703		IB
SE CCC 789	ERICB2A110	S	70	70	6,00	O	2011-01-13 09:28:55	2011-01-13 09:28:55	Standard			76705		IB
SE CCC 123	ERICB2A120	S	80	80	3,00	O	2011-01-13 09:29:02	2011-01-13 09:29:02	Standard			76707		IB

NASDAQ OMX℠

CW Menu: Deal-Trade: Trade History

View trade details and make trade rectifications.

How to Search Trade History.

Account: Enter account name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

Series: Enter series name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

From time/To time: Specify a time period when the trade was created. Use format yyyy-mm-dd and hh:mm:ss.

Low price/High price: Specify a price range using max. 2 decimals. The default zero values results in a search for all values.

Type: Normal (includes Normal and Overtaking trades), Transfer (the trade is created to net moved quantities), Transitory (the trade is placed on a daily account). If all boxes are empty, all types are included.

State: Active trades are always included, if Rectified trades is checked these are also included.

Buy/Sell: If none or both are checked all trades are included.

Click the Search button.

CW Menu: Deal-Trade: Trade History

View trade details and make trade rectifications.

Trade History Information Notes.

Effect: Specifies if the trade closed or opened positions.

O/C/N/D: Specifies what kind of position that was requested; open, closed, netted or default.

User: The user last modifying the trade.

Confirmed by: The user that has confirmed the trade.

Type: Transitory=placed on daily account, Standard=normal trade, Transfer= created to net moved quantities, Overtaking=overtakes the original trade due to a rectification.

CW Menu: Deal-Trade: Trade History

View trade details and make trade rectifications.

Trade History Window Functions;

Rectify a trade from one internal account to another.

Left-click a trade to select it. Right-click the trade and choose ‘Rectify Trade…’. Specify account, quantity in the right pane. If the trade should be split specify the quantity for the first account and then tab for a new line(s) and enter the remaining amount(s). If a part of the quantity should remain on the current account this part needs to be specified to the current account. Click ‘Send’.

Rectify a deal.

Left-click one trade from the deal to select it. Right-click the trade and choose ‘Rectify Deal…’. Rectify values in ‘New series’, ‘New price’ and/or ‘New buy/New sell’. Click ‘Send’. The rectification can now be seen in the ‘Holding Rectify Deal’ window and will be executed when confirmed by NASDAQ OMX Operations.

Annul a deal.

Left-click one trade from the deal to select it. Right-click the trade and choose ‘Rectify Deal…’. Click the ‘Annul’ button. The rectification can now be seen in the ‘Holding Rectify Deal’ window and will be executed when confirmed by NASDAQ OMX Operations.

Perform a Give up

Left-click a trade to select it. Right-click the trade and choose ‘Give up…’. Specify quantity and trading id of the receiving member under quantity and Member/Account in the right pane. Click the ‘Send’ button. The Give up can now be seen in the ‘Holding Give up’ window and will be executed when confirmed by the receiving member.

CW Menu: Deal-Trade: Trade History

View trade details and make trade rectifications.

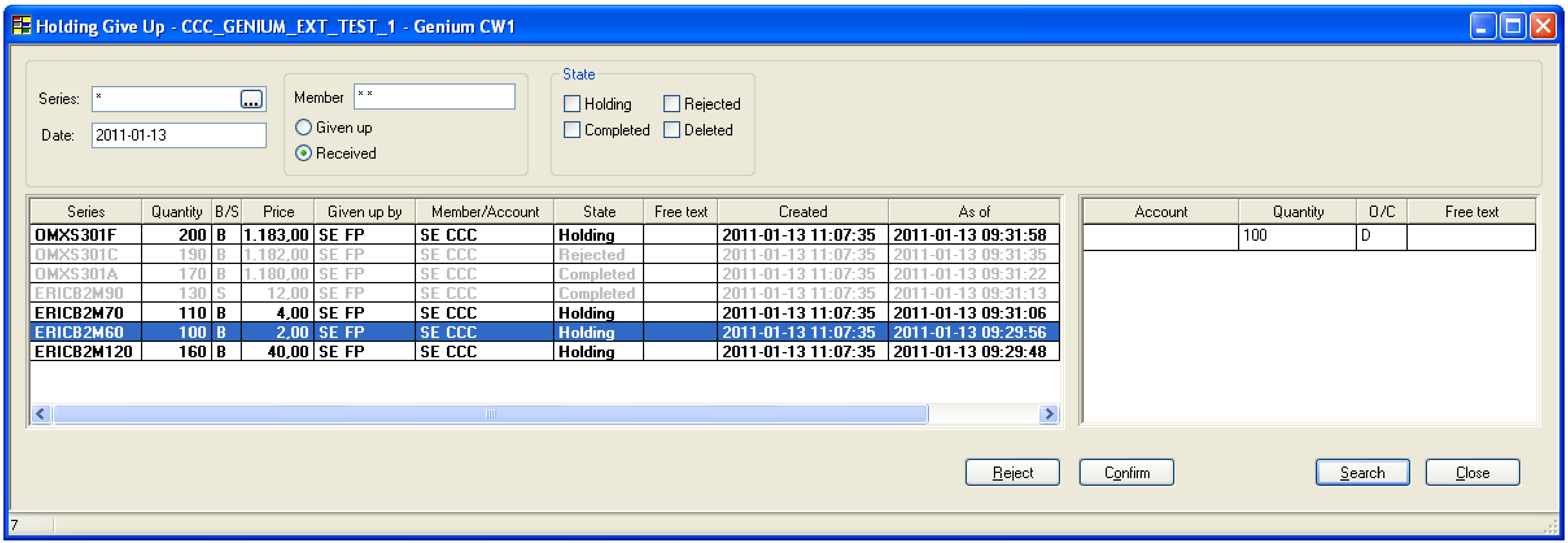
Trade History Window Functions;

Merge several trades into one average price trade (APT).

Select the trades that should be included in the APT. Right-click the trades and choose ‘Average Price Trade...’. Check the values in the new window and click ‘Send’. Only trades made during the current trading day can be included in an APT. All trades in an APT must be within the same series, of the same type (that is, buy or sell), and on the same account. The average price is calculated as a weighted average and is rounded to the number of decimals used for premium in the instrument.

CW Menu: Deal-Trade: Holding Give Up

View, confirm or reject Give Ups.



NASDAQ OMX[SM]

CW Menu: Deal-Trade: Holding Give Up

View, confirm or reject Give Ups.

How to Search Holding Give Up.

Series: Enter series name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

Date: Specify the date when the Give up was created.

Member: Gives the option of specifying a trading id. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character. If a trading id is specified it is necessary to specify if this trading id is giving up (Given up) or receiving (Received) the trade.

State: If all or none are checked all holding give ups are included.

Click the Search button.

CW Menu: Deal-Trade: Holding Give Up

View, confirm or reject Give Ups.

Holding Give Up Window Functions;

Confirm a Give up.

Note that the search needs to be done with 'Member' set to 'Received' to enable the 'Confirm' button. Select the trade. Specify account in the right pane. If the trade is to be divided among several accounts, specify quantity and tab for a new row. Click 'Confirm'.

Reject a Give up

Note that the search needs to be done with 'Member' set to 'Received' to enable the 'Reject' button. Select the trade. Click 'Reject'.

5. Exercise

Exercise process

- Premature Exercise

Options of American type can be exercised prior to the expiration date.

- Standard Exercise

NASDAQ OMX performs a general exercise of options with physical delivery on the expiration date. Contracts with physical underlying security means delivery of underlying securities in exchange for an amount equivalent to the exercise price on the settlement day.

- Automatic Exercise

NASDAQ OMX performs a general exercise of cash settled options on the expiration date. Index options are exercised by comparing the strike price to the VWAP.

Exercise

- Expiration day stock option - third Friday of expiration month.
- Expiration day index option - third Friday of expiration month.

Series expiring

90 min after EMP’s closing: Deadline for demanding exercise request by fax.
120 min after EMP’s closing: Deadline for demanding exercise request in the CW.

120 min after EMP’s closing: Deadline for registration of tailor-made contracts.
120 min after EMP’s closing: Deadline for re-registrations.

Exercise

Series not expiring

30 min after EMP's closing: Deadline for demanding exercise request by fax.

60 min after EMP's closing: Deadline for demanding exercise request in the CW.

120 min after EMP's closing: Deadline for registration of tailor-made contracts.

120 min after EMP's closing: Deadline for re-registrations.

Standard Exercise

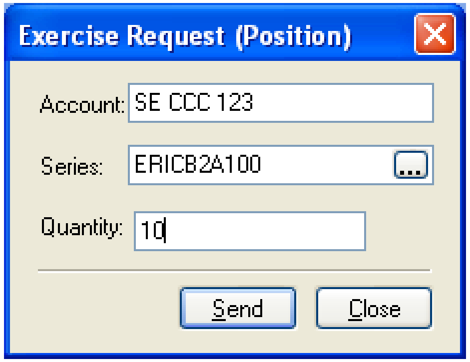
- Single stock options are exercised by comparing the strike price to the last paid.
- Last paid = Last paid price during the day with no consideration to after-hours trades and trades made outside the spread.
- Single stock options with one percent intrinsic value will automatically be exercised.

Example:
HMB

Last Price 322,76

Call Options		Put Options	
HMB9C300	Automatically exercised	HMB9O300	
HMB9C310	Automatically exercised	HMB9O310	
HMB9C330		HMB9O330	Automatically exercised
HMB9C350		HMB9O350	Automatically exercised

CW Menu: Exercise: Exercise Request



Exercise Functions;

Request an Exercise.

Specify ‘Account’, ‘Series’ and ‘Quantity’ and click ‘Send’.

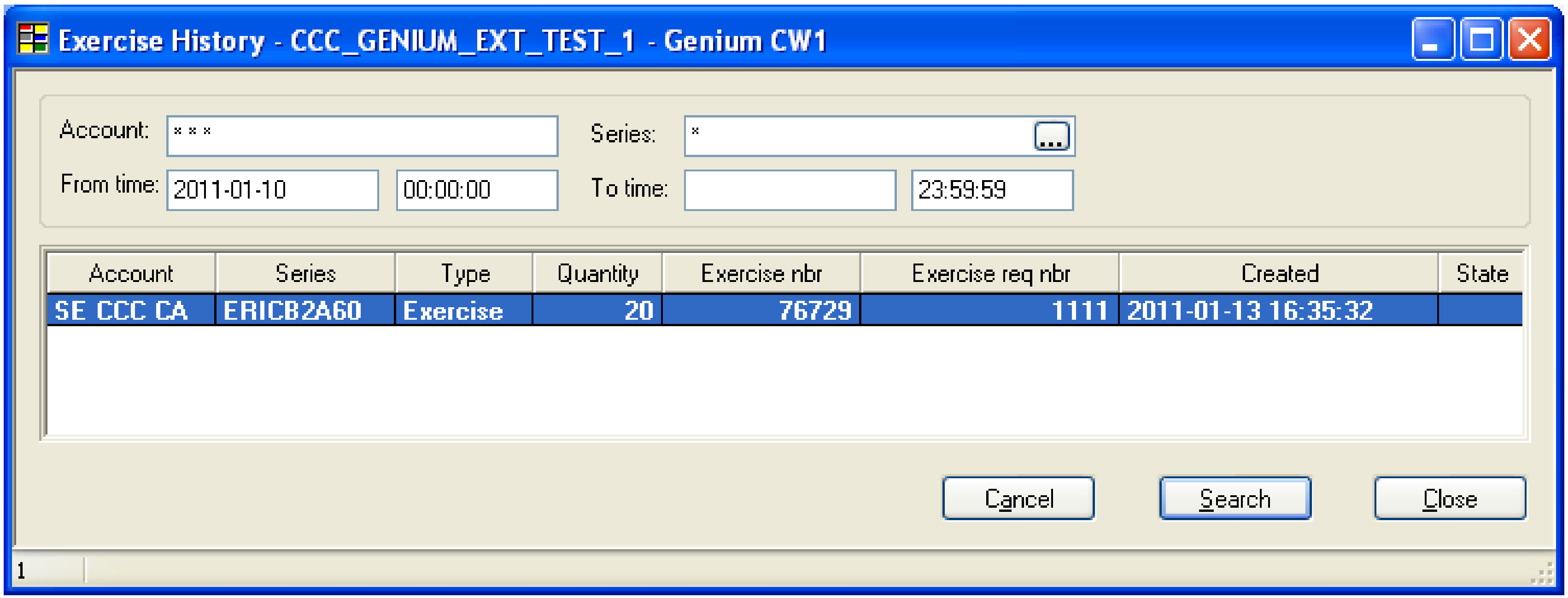
An exercise request can also be performed from the Account Position window. This way account and series will be prefilled. Please see the Account Position Window section in this document.

Exclude contracts from automatic exercises.

The Account Position window is used to exclude contracts from automatic exercises. Please see the Account Position Window section in this document.

CW Menu: Exercise: Exercise History

View exercise history.



CW Menu: Exercise: Exercise History

View exercise history.

How to Search Exercise History.

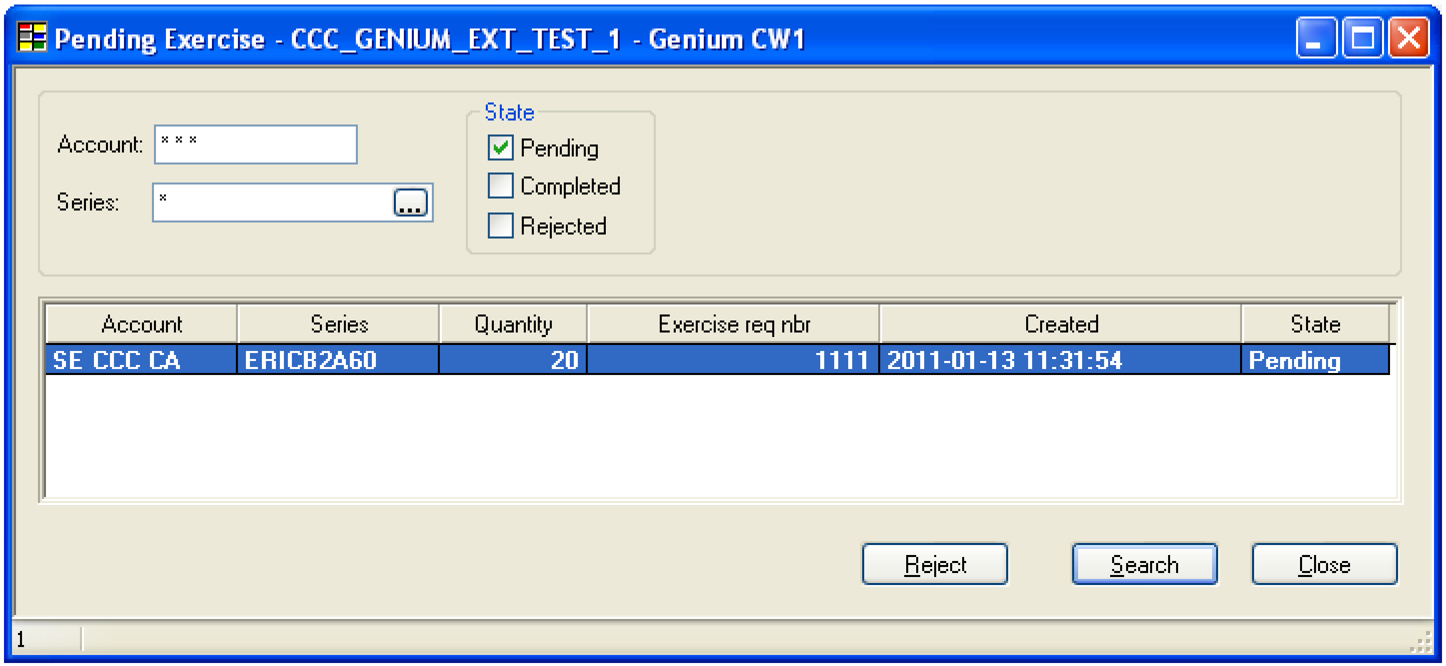
Account: Enter account name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

Series: Enter series name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

From time/To time: Specify from and to dates. Use format yyyy-mm-dd.

CW Menu: Exercise: Pending Exercise

View pending exercise requests.



CW Menu: Exercise: Pending Exercise

View pending exercise requests.

How to Search Pending Exercise.

Account: Enter account name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

Series: Enter series name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

State: Check ’Pending’ to find pending exercises.

Pending Exercise Window Functions;

Reject a Pending Exercise Request.

Click ‘Search’, select the order and click ‘Reject’.

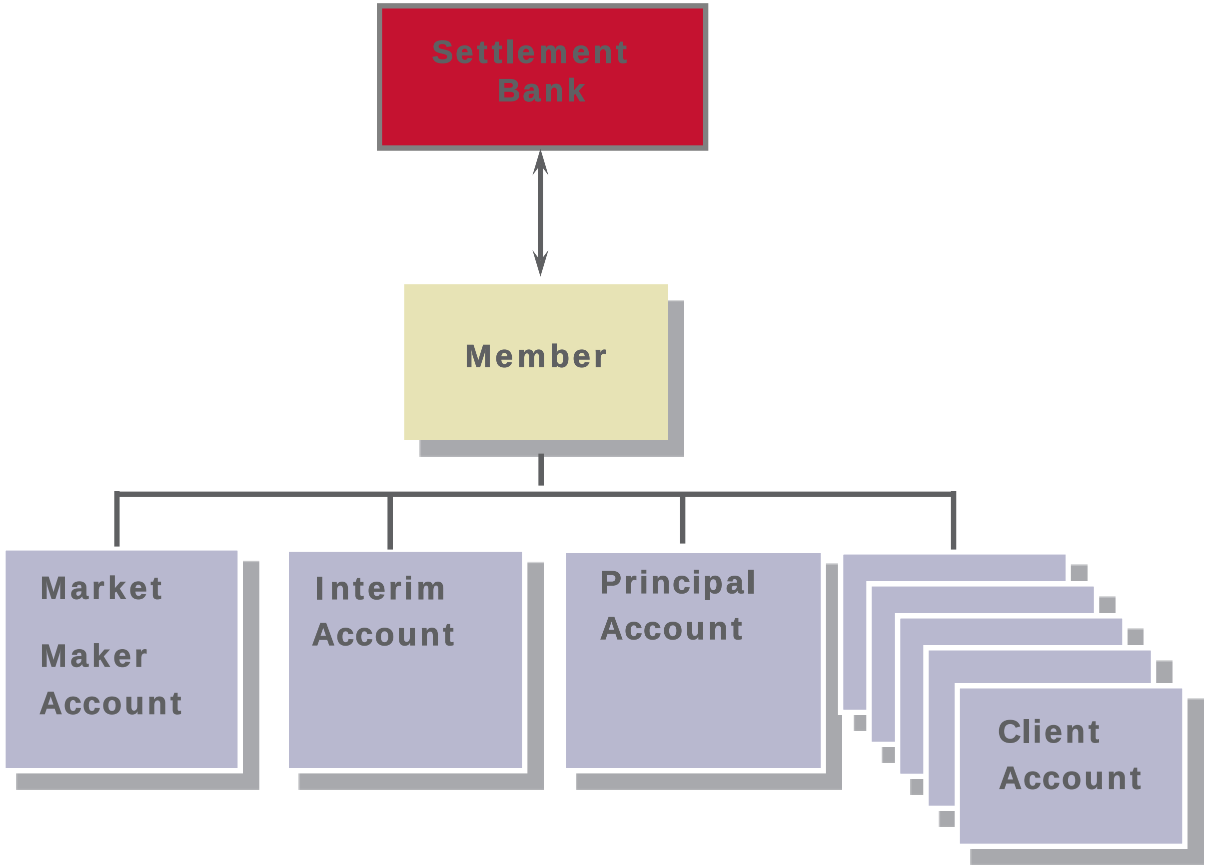
6. Settlement

Cash Settlement

- The settlement rules are found in section 3.10 in the Rules and Regulations.
- Several different currencies and different ways of handling the payments.
  - SEK - Centralized RIX settlement.
  - Other currencies, to avoid cross border payments a local cash account is required for each currency – a DKK account in Denmark, a EUR in Finland etc.
- The Cash Settlement report should be used to find daily cash settlement figures.
  - Premiums
  - Fees
  - Cash Settlements and Daily Cash Settlements
  - Fees relating to exercise
  - Other cash settlement
- Fixing values for the daily cash settlement can be found in the Fixing Values window on the Series menu.

Cash Settlement - Member level

A net amount is calculated for all the members' accounts (including client accounts) that are settled in the same currency.



Cash Settlement Report

Please see section 1 on how to access the report.

CCC CCC Financial (M Bergström TEST)
Settlement Date: 2012-01-05

Cash Settlement

1 (1)

Currency: SEK

Settlement Product	Member	Event	Class	Business Date	Amount
OMXS30_FUT	CCC	Market Settlement	Settlement	2012-01-04	557 775,00
Total OMXS30_FUT:					**557 775,00**
OMXS30_OPT	CCC	Trade	Fee	2012-01-04	-700,00
OMXS30_OPT	CCC	Trade	Settlement	2012-01-04	0,00
Total OMXS30_OPT:					**-700,00**
STK_FUT	CCC	Market Settlement	Settlement	2012-01-04	0,00
Total STK_FUT:					**0,00**
STK_OPT	CCC	Trade	Fee	2012-01-04	-280,00
STK_OPT	CCC	Trade	Settlement	2012-01-04	0,00
Total STK_OPT:					**-280,00**
Total Amount To Receive:					**556 795,00**

A detailed report manual can be found on this link.

Cash Settlement Cut Offs

- EUR and DKK are paid to NASDAQ OMX at the latest 11.00 CET.
- NOK is paid to NASDAQ OMX at the latest 15:00 CET.
- SEK is paid in K-RIX with cut off 11.30 local time.
- A member is required to have the possibility to pay same day value as there are payments with settlement T+1.
- The amount to be paid can be found on the Cash Settlement report (see section 1).

Physical Settlement

- The settlement rules are in section 3.10 in the Rules and Regulations.
- The physical settlement is performed through a local CSD of each market – a clearing member is required to hold a local CSD account at each market it clears.
- The Physical Settlement report should be used to find daily physical settlement figures.
- Normally deliveries of the same underlying are netted at member (or GCM) level.

Physical Settlement Report

Please see section 1 on how to access the report.

CCC CCC Financial (M Bergström TEST)
Exercise/Closing Date: 2012-01-10

Physical Settlement

1 (1)

Currency: SEK

TO ORDER

Stock	ISIN	Quantity	Settlement Amount	Currency	Trade Date	Settlement Date	Party
ABB LTD	CH0012221716	1 500	-127 500,00	SEK	2012-01-10	2012-01-13	OMX
ERICSSON B	SE0000108656	1 000	-42 000,00	SEK	2012-01-10	2012-01-13	OMX
Total			-169 500,00				

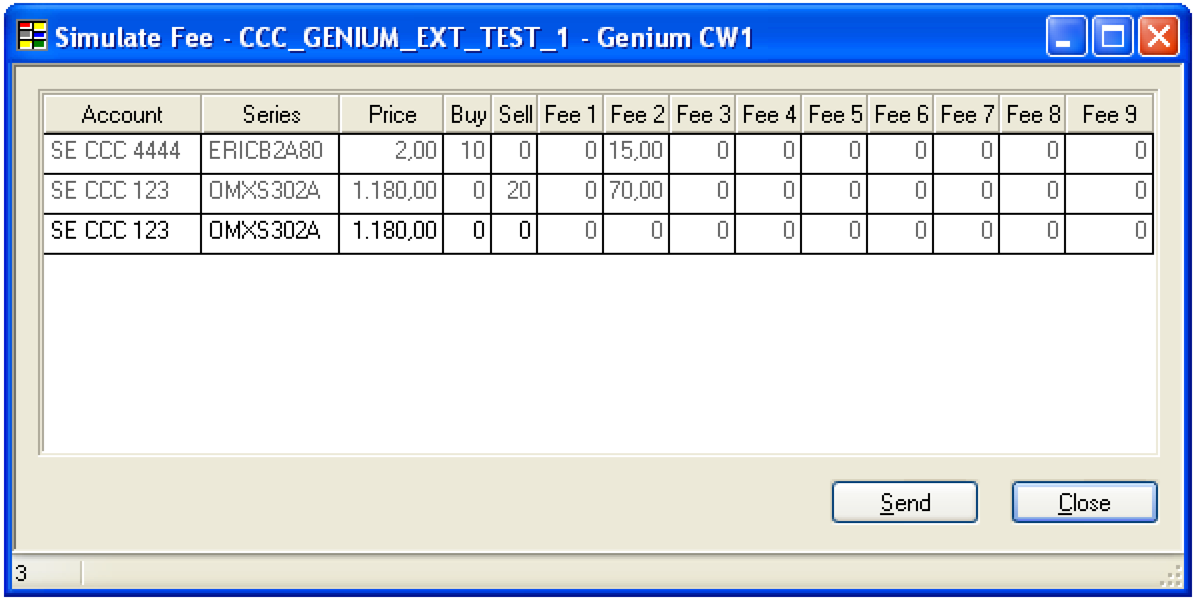
TO DELIVER

Stock	ISIN	Quantity	Settlement Amount	Currency	Trade Date	Settlement Date	Party
ERICSSON B	SE0000108656	-1 000	42 000,00	SEK	2012-01-10	2012-01-13	OMX
Total			42 000,00				

Net Settlement Amount -127 500,00

A detailed report manual can be found on this link.

CW Menu: Deal-Trade: Simulate Fees



Account	Series	Price	Buy	Sell	Fee 1	Fee 2	Fee 3	Fee 4	Fee 5	Fee 6	Fee 7	Fee 8	Fee 9
SE CCC 4444	ERICB2A80	2,00	10	0	0	15,00	0	0	0	0	0	0	0
SE CCC 123	OMXS302A	1.180,00	0	20	0	70,00	0	0	0	0	0	0	0
SE CCC 123	OMXS302A	1.180,00	0	0	0	0	0	0	0	0	0	0	0

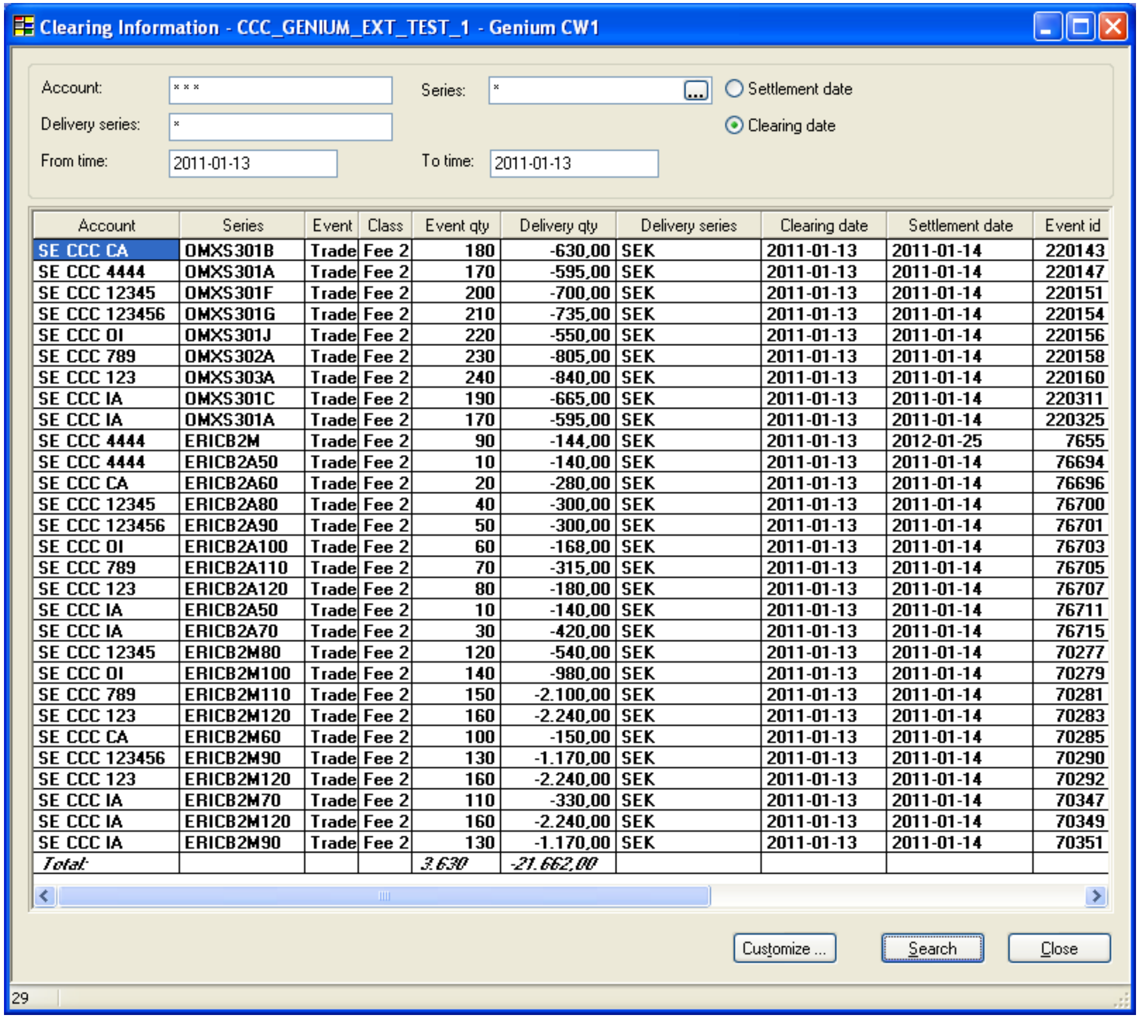
CW Menu: Deal-Trade: Simulate Fees

Simulate Fee Window Functions;

Simulate Transaction Fees

Specify ‘Account’, ‘Series’, ‘Price’ and quantity under ‘Buy’ or ‘Sell’. Click ‘Send’. A new line will appear where another fee can be simulated.

Clearing: Clearing Information
View clearing transactions.



Account	Series	Event	Class	Event qty	Delivery qty	Delivery series	Clearing date	Settlement date	Event id
SE CCC CA	OMXS301B	Trade	Fee 2	180	-630,00	SEK	2011-01-13	2011-01-14	220143
SE CCC 4444	OMXS301A	Trade	Fee 2	170	-595,00	SEK	2011-01-13	2011-01-14	220147
SE CCC 12345	OMXS301F	Trade	Fee 2	200	-700,00	SEK	2011-01-13	2011-01-14	220151
SE CCC 123456	OMXS301G	Trade	Fee 2	210	-735,00	SEK	2011-01-13	2011-01-14	220154
SE CCC OI	OMXS301J	Trade	Fee 2	220	-550,00	SEK	2011-01-13	2011-01-14	220156
SE CCC 789	OMXS302A	Trade	Fee 2	230	-805,00	SEK	2011-01-13	2011-01-14	220158
SE CCC 123	OMXS303A	Trade	Fee 2	240	-840,00	SEK	2011-01-13	2011-01-14	220160
SE CCC IA	OMXS301C	Trade	Fee 2	190	-665,00	SEK	2011-01-13	2011-01-14	220311
SE CCC IA	OMXS301A	Trade	Fee 2	170	-595,00	SEK	2011-01-13	2011-01-14	220325
SE CCC 4444	ERICB2M	Trade	Fee 2	90	-144,00	SEK	2011-01-13	2012-01-25	7655
SE CCC 4444	ERICB2A50	Trade	Fee 2	10	-140,00	SEK	2011-01-13	2011-01-14	76694
SE CCC CA	ERICB2A60	Trade	Fee 2	20	-280,00	SEK	2011-01-13	2011-01-14	76696
SE CCC 12345	ERICB2A80	Trade	Fee 2	40	-300,00	SEK	2011-01-13	2011-01-14	76700
SE CCC 123456	ERICB2A90	Trade	Fee 2	50	-300,00	SEK	2011-01-13	2011-01-14	76701
SE CCC OI	ERICB2A100	Trade	Fee 2	60	-168,00	SEK	2011-01-13	2011-01-14	76703
SE CCC 789	ERICB2A110	Trade	Fee 2	70	-315,00	SEK	2011-01-13	2011-01-14	76705
SE CCC 123	ERICB2A120	Trade	Fee 2	80	-180,00	SEK	2011-01-13	2011-01-14	76707
SE CCC IA	ERICB2A50	Trade	Fee 2	10	-140,00	SEK	2011-01-13	2011-01-14	76711
SE CCC IA	ERICB2A70	Trade	Fee 2	30	-420,00	SEK	2011-01-13	2011-01-14	76715
SE CCC 12345	ERICB2M80	Trade	Fee 2	120	-540,00	SEK	2011-01-13	2011-01-14	70277
SE CCC OI	ERICB2M100	Trade	Fee 2	140	-980,00	SEK	2011-01-13	2011-01-14	70279
SE CCC 789	ERICB2M110	Trade	Fee 2	150	-2.100,00	SEK	2011-01-13	2011-01-14	70281
SE CCC 123	ERICB2M120	Trade	Fee 2	160	-2.240,00	SEK	2011-01-13	2011-01-14	70283
SE CCC CA	ERICB2M60	Trade	Fee 2	100	-150,00	SEK	2011-01-13	2011-01-14	70285
SE CCC 123456	ERICB2M90	Trade	Fee 2	130	-1.170,00	SEK	2011-01-13	2011-01-14	70290
SE CCC 123	ERICB2M120	Trade	Fee 2	160	-2.240,00	SEK	2011-01-13	2011-01-14	70292
SE CCC IA	ERICB2M70	Trade	Fee 2	110	-330,00	SEK	2011-01-13	2011-01-14	70347
SE CCC IA	ERICB2M120	Trade	Fee 2	160	-2.240,00	SEK	2011-01-13	2011-01-14	70349
SE CCC IA	ERICB2M90	Trade	Fee 2	130	-1.170,00	SEK	2011-01-13	2011-01-14	70351
Total:				*3.630*	*-21.662,00*				

Clearing: Clearing Information
View clearing transactions.

How to Search Clearing Information.

Click the ‘Customize’ button and check the applicable options.

Account: Enter account name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

Series: Enter series name. One or more wildcards can be used. * substitutes for zero or more of any characters, % substitutes for one of any character.

Delivery series: Currency or underlying can be specified. If the result includes more than one delivery serie a total sum will not be calculated.

From time/To time: Specify from and to dates. Use format yyyy-mm-dd.

Choose ’Settlement date’ or ’Clearing date’ (when the trade was created).

Click ‘Search’.

7. Collateral

Custodian Institutions and Collateral

- Several approved custodian institutions are available.
  - Approved by NASDAQ OMX.
  - Holds collateral om behalf of the clearing organization.
  - See list of custodian institutions in appendix 9 to the Rules and Regulations.
- Lists of approved collateral and collateral restrictions are available as appendices 12 and 12A to the Rules and Regulations.
- Parameter Value list in appendix 11 to the Rules and Regulations.

Link for the appendices(General Rules – Derivatives – Chapter 5):

http://nasdaqomx.com/listingcenter/nordicmarket/rulesandregulations/

Margins

- Margin requirement: Should theoretically be the negative market value of the account. However, under normal conditions an account cannot be closed at an instant a participants defaults at the prevailing market prices. It typically takes time to neutralize the account and the value of the account can change during this period, which must be catered for in the margining methodology.

- NASDAQ OMX Derivatives Markets uses a numerical statistical method to calculate its risk parameters. This method uses data over a two year historical period to establish a numerical cumulative distribution. This distribution is then used to estimate a parameter with a 99.2 percent confidence interval that is equivalent to the fourth largest movement in the two year reference period.

- It is conservatively assumed that it takes two days on average to close counterparty's positions and liquidate related collateral in the event of a default. For this reason, the margin parameters are calculated with a two-day lead-time factored into the methodology. (five for IRS)

- The market price models used by NASDAQ OMX Derivatives Markets to calculate margin requirements are based on the Black-Scholes or the binomial option valuation model for stock options, and Black-76 for index and interest rate options.

- The total margin requirement specified on the Margin Requirement RM Report should be provided by the member to the pledged accounts with the custodian institution at the latest 11.00 AM CET. The report is normally available before 08:00 AM CET in the CW (search on the previous business date).

Margin Requirement Report

Please see section 1 on how to access the report.

CCC CCC Financial (M Bergström TEST)
Business Date: 2012-01-10

Margin Requirement

1 (1)

EDU

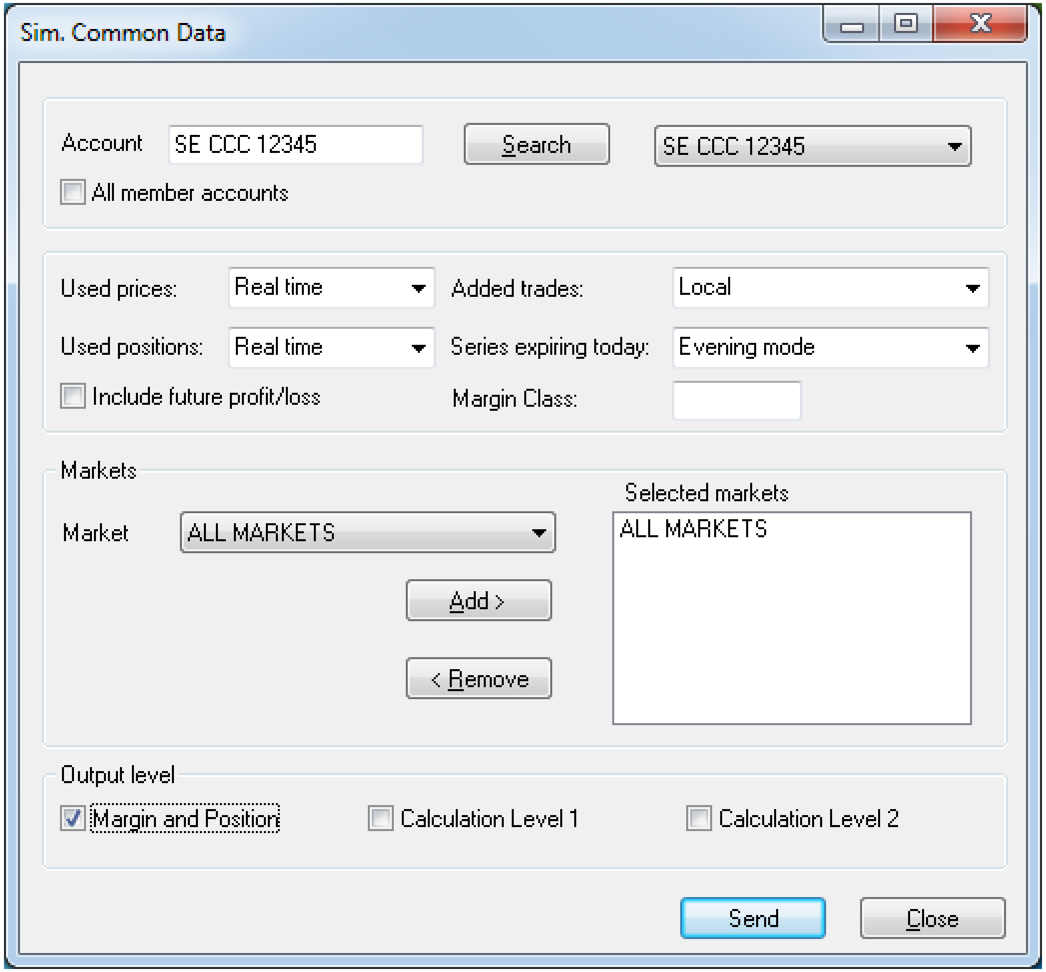
Margin Calculation Account	Market Value	Required Margin	Trade Currency	Required Margin	Pledge Currency	Included in Total
SE CCC 123	760	10	SEK	10	SEK	No
SE CCC CA	-1 972 500	-5 663 360	SEK	-5 663 360	SEK	
SE CCC IA	1 773 555	-3 621 493	SEK	-3 621 493	SEK	
Total:	**-198 185**	**-9 284 853**	**SEK**	**-9 284 853**	**SEK**	

Grand Total Pledge Currency: SEK -9 284 853

A detailed report manual can be found on this link.

CW Menu: Margin: Simulate Margin Common Data

Specify the base for data input / output in the 'Simulate margin Requirement' window.



CW Menu: Margin: Simulate Margin Requirement

Simulate Margin Requirement - CCC_GENIUM_EXT_TEST_1 - Genium CW1

Trades

Series	Type	Quantity	Price	Closing Date	Settlement Date
OMXS302A	Bought Trade	10	1.200,00		
OMXS302A	Bought Trade	15	1.210,00		
OMXS302A	Sold Trade	30	1.215,00		

Result

Req. Market	Market Cur.	Req. Risk	Risk Cur.
-2234455	SEK	-2234455	SEK

Send Close

3

Margin Position Data - CCC_GENIUM_EXT_TEST_1 - Genium CW1

Time: 2011-01-18 13:37:59 Account: SE CCC 12345

Series	Held/Bought	Written/Sold	Market value	Req.margin/Security net	Naked margin	Currency
ERICB2A80	40	0	48840	16000	16000	SEK
ERICB2M80	0	120	-72240	-196560	-205200	SEK
Required margin for ERICB based on the price		**65,62**		**-180560**	**-189200**	**SEK**
OMXS301F	0	200		-2003800	-2003800	SEK
OMXS302A	25	30		-50095	-50095	SEK
Required margin for OMXS30 based on the price		**1.273,06**		**-2053895**	**-2053895**	**SEK**
Total for currency SEK				**-2234455**		**SEK**

Close

7

CW Menu: Margin: Simulate Margin Common Data & Simulate Margin Requirement

How to perform a real time margin simulation for a specific account with added trades.

1. In the 'Simulate Margin Common Data' window;

Specify the account directly in the 'Account' box. (or use one or more wildcards, click the 'Search' button and select an account in the list. * substitutes for zero or more of any characters together.)

Select 'Used prices': 'Real time', 'Used positions': 'Real time', 'Added trades': 'Local', 'Series expiring today': Normally 'Evening Mode' is used. 'Include future profit/loss is normally not checked. Margin Class can be specified if other than default.

Choose markets to include and for a basic output check 'Margin and Position' as 'Output level' for basic information.

2. In the 'Simulate Margin Requirement' window;

Right click in the left pane and choose 'Add row'. Specify 'Series', 'Type' ('Bought trade' or 'Sold trade'), 'Quantity' and 'Price' (forwards only). Several rows can be added.

Click 'Send'. The total margin requirement for the simulation specified in the 'Simulate Margin Common Data' window is displayed. An new window shows details for every position.

Beware: This is just a simulation, the results may differ from the actual margin requirement.

8. Tailor Made (TM)

Tailor Made contracts are contracts with non-standardized terms and are bilaterally negotiated cleared-only contracts. Clearing of tailor made derivatives contracts are offered on listed shares, indexes and custom made indexes. The underlying security, expiration date, expiration type, settlement style and strike price (options) are determined by the parties involved in the transaction.
When changes (issues, splits) are made in standardized contracts, corresponding changes are made to tailor-made contracts in accordance with NASDAQ OMX's Rules and Regulations for Derivatives. Conversion to standardized contracts possible if both parties agree.

Contract base: NASDAQ OMX stocks and indexes.
Price: agreed by the parties.
Lifetime: agreed by the parties.
Exercise: same as for standardized contracts.
Fees: same as for standardized contracts.

Tailor Made in CW

Interbanks and internal Tailor Mades can be reported in the CW. Members report their side electronically in the CW and the deal is approved by NASDAQ OMX.

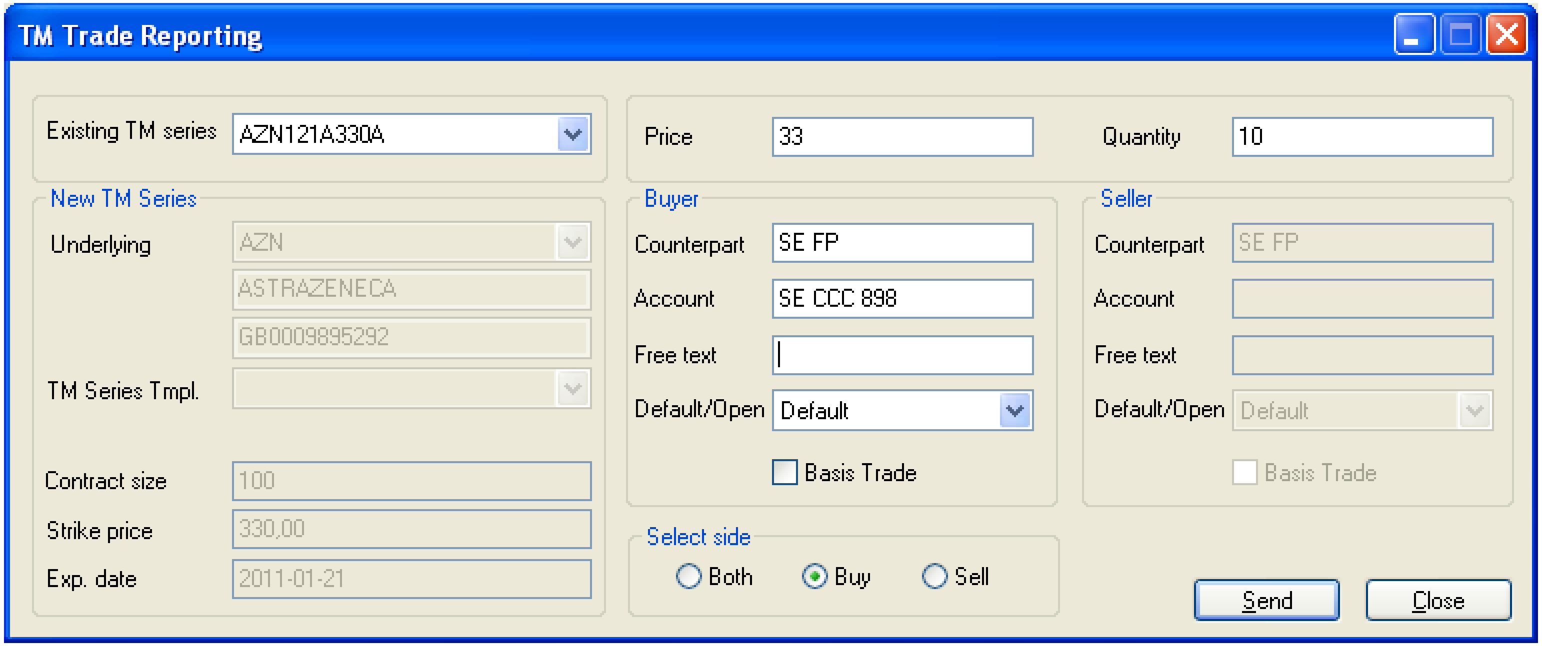
The clearing house may reject registrations made electronically up to 120 minutes following the technical registration of the transaction in the clearing system (see Rules and Regulations 3.4.11).

Applicable templates can be:

- Cash settled
- Americans
- Europeans
- Deviated expiration dates
- Semi-standardized or Tailor Made-underlyings
- Strike price

CW Menu: Deal-Trade: TM Trade Reporting

Register Tailor Made orders.



Either choose an existing series from the 'Existing TM series' list or create a new series by specifying the details in the left pane.
Then in the right panes specify 'Counterpart' (the counterparty's trading id), 'Price', 'Account' (your account name), 'Quantity', optional 'Free text' and 'Buy' or 'Sell' (or 'Both' for internal trades).
Click 'Send'.
The order will now go into a holding state and needs to be matched by the counterparty and then approved by the Exhange.
If it is an interbank deal please make sure both parties are using the correct counterpart trading IDs.

CW Menu: Deal-Trade: Reported Trades

View, match, alter or reject trades.

Check either ‘Own trades’ or ‘Counterpart trades’ and click ‘Search’ to find the trade you want.

<u>Match a trade.</u>

Click ‘Search’, select and right click the trade and choose ‘Enter Order…’. Specify ‘Account’ and optional ‘Free text’ and click ‘Send’.

<u>Alter a trade.</u>

Click ‘Search’, select and right click the trade and click ‘Alter…’.

<u>Cancel a trade.</u>

Click ‘Search’, select and right click the trade and click ‘Reject’.

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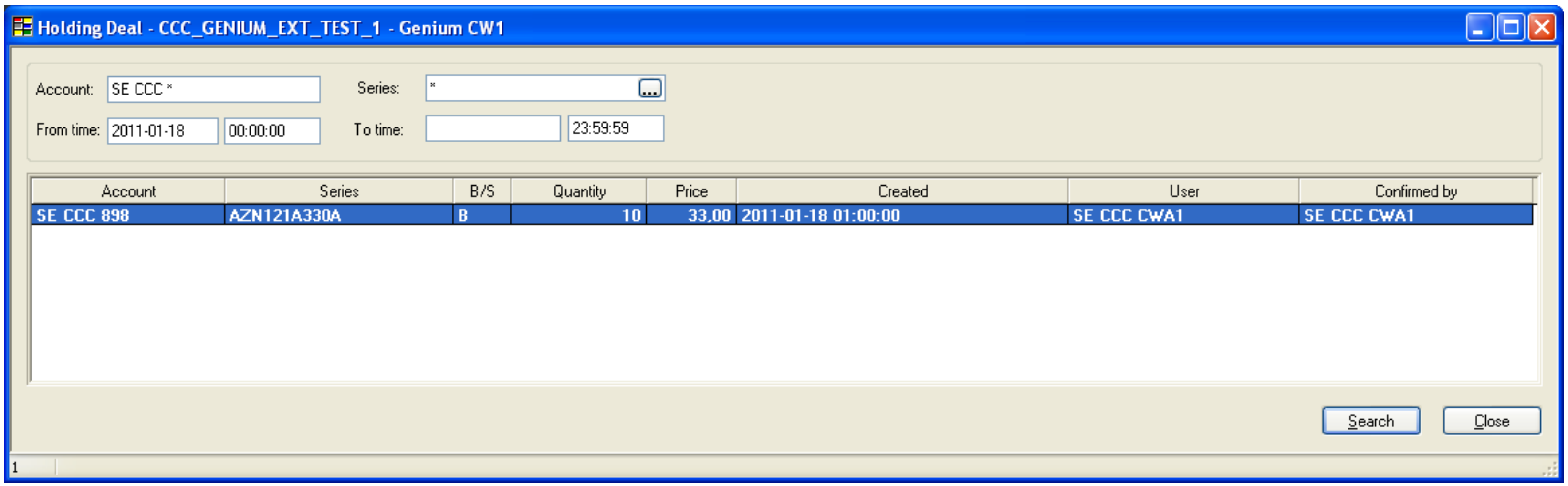
CW Menu: Deal-Trade: Holding Deal

View matched deals.



In this window matched deals can be viewed until they are confirmed and cleared by the Exchange.

9. Report Trades

Registration of trades matched outside of the exchange trading system, may be reported to the exchange for registration via the members electronic connections to the trading and clearing system, via phone or via a public information distribution system approved by the exchange. Trades matched outside EMP shall be reported to the Exchange as soon as possible (main rule: not later than 5 minutes after the trade took place) in accordance with the NASDAQ OMX Derivative Market Rules.

Time of agreement is a field that states when the trade was agreed upon. The field is optional.

Trades matched outside normal opening hours need to be reported / published as soon as possible. These trades need to be reported via telephone to the Exchange.

Trade reports cannot be made via the member’s electronic connection if the number of contracts exceeds 50.000.

The following Trade Types are supported for Manual Trades.

Normal Trade, NT

The agreed price shall, at the moment of Registration, be within or at the current BBO.

Outside Spread, OS

If the agreed price is outside the current BBO but has been within or at the current BBO during a period of 5 minutes prior to the trade report.

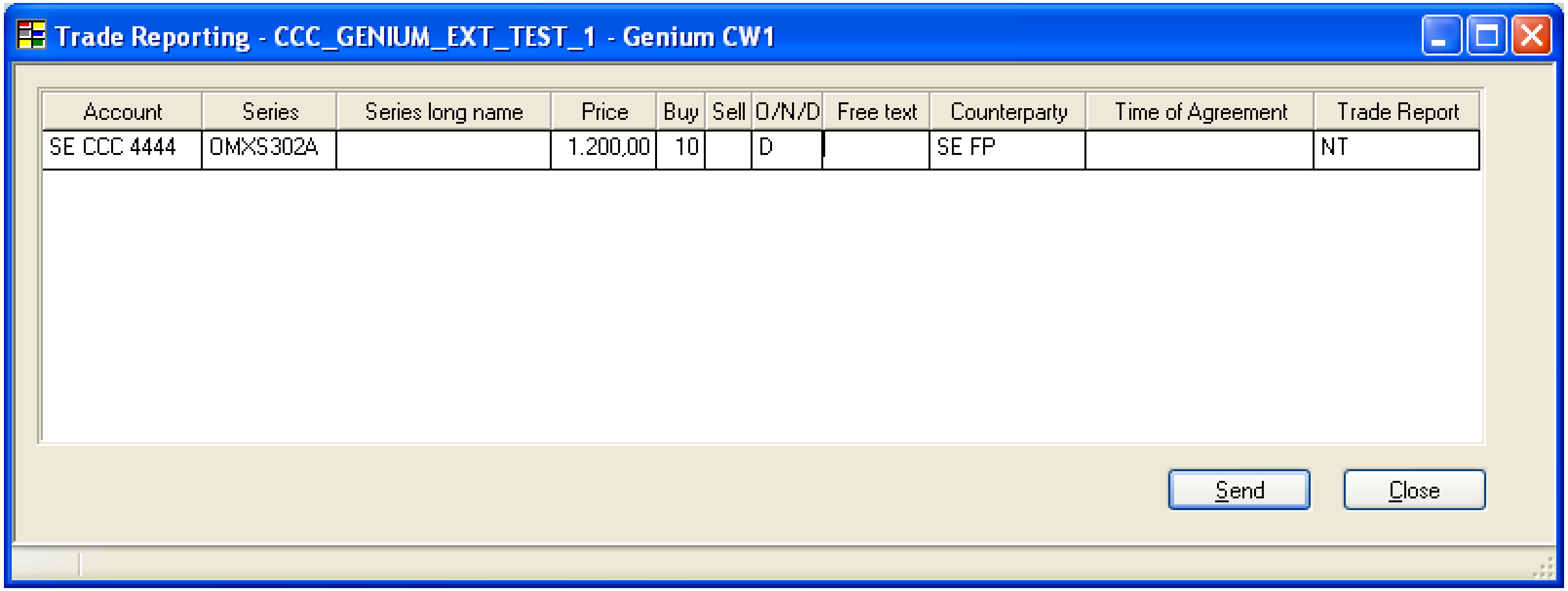
Exchange Granted 1, EG1

EG1 shall be used if the agreed price is outside the current BBO and if it has not been within or at the current BBO during a period of 5 minutes prior to the application for Registration. However the price must have been within or at the BBO during the current trading day. Prior to the Registration an approval, via phone, shall be acquired from the Exchange.

Exchange Granted 2, EG2

EG2 refers to trades from a previous date that by mistake was not reported on the trading day. Prior to the registration a fax shall be sent to the Exchange for approval. The fax shall contain an explanation and it shall be signed by the trader and Head of trading or similar. EG2 can only be registered by the Exchange.

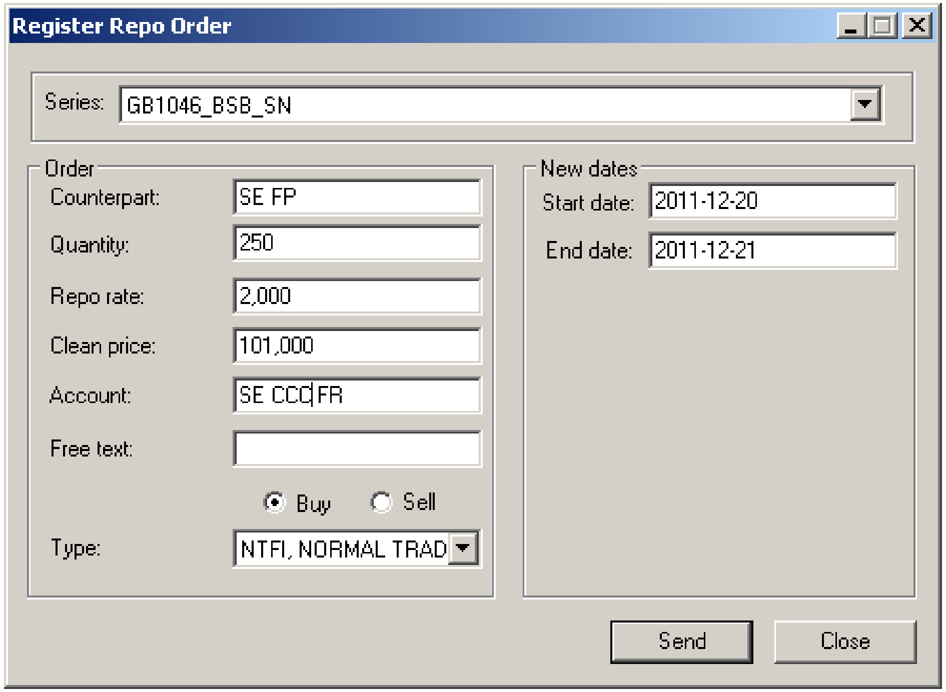
CW Menu: Deal-Trade: Trade Reporting



<u>Report a Trade.</u>

Specify ‘Account’, ‘Series’, ‘Price’, enter quantity under ‘Buy’ or ‘Sell’, optional ‘Free text’ and the counterparty’s trading id under ‘Counterparty’. The original trade time can be specified under ‘Time of Agreement’. Click ‘Send’.

CW Menu: Deal-Trade: Repo Order



Report a Repo trade.

Specify ‘Series’, ‘Counterpart’(the counterparty’s trading id), ‘Quantity’, ‘Repo rate’, ‘Clean price’, ‘Account’ (your account name), ‘Free text’ (optional), Buy or Sell, Type: NTFI, NORMAL TRADE. The dates can be changed for Tailor Made Repo trades. Click ‘Send’.

CW Menu: Deal-Trade: Reported Trades

View, match, alter or reject reported trades.

Check either ‘Own trades’ or ‘Counterpart trades’ and click ‘Search’ to find the trade you want.

Match a trade.

Click ‘Search’, select and right click the trade and choose ‘Enter Order…’. Specify ‘Account’ and optional ‘Free text’ and click ‘Send’.

Alter a trade.

Click ‘Search’, select and right click the trade and click ‘Alter…’.

Cancel a trade.

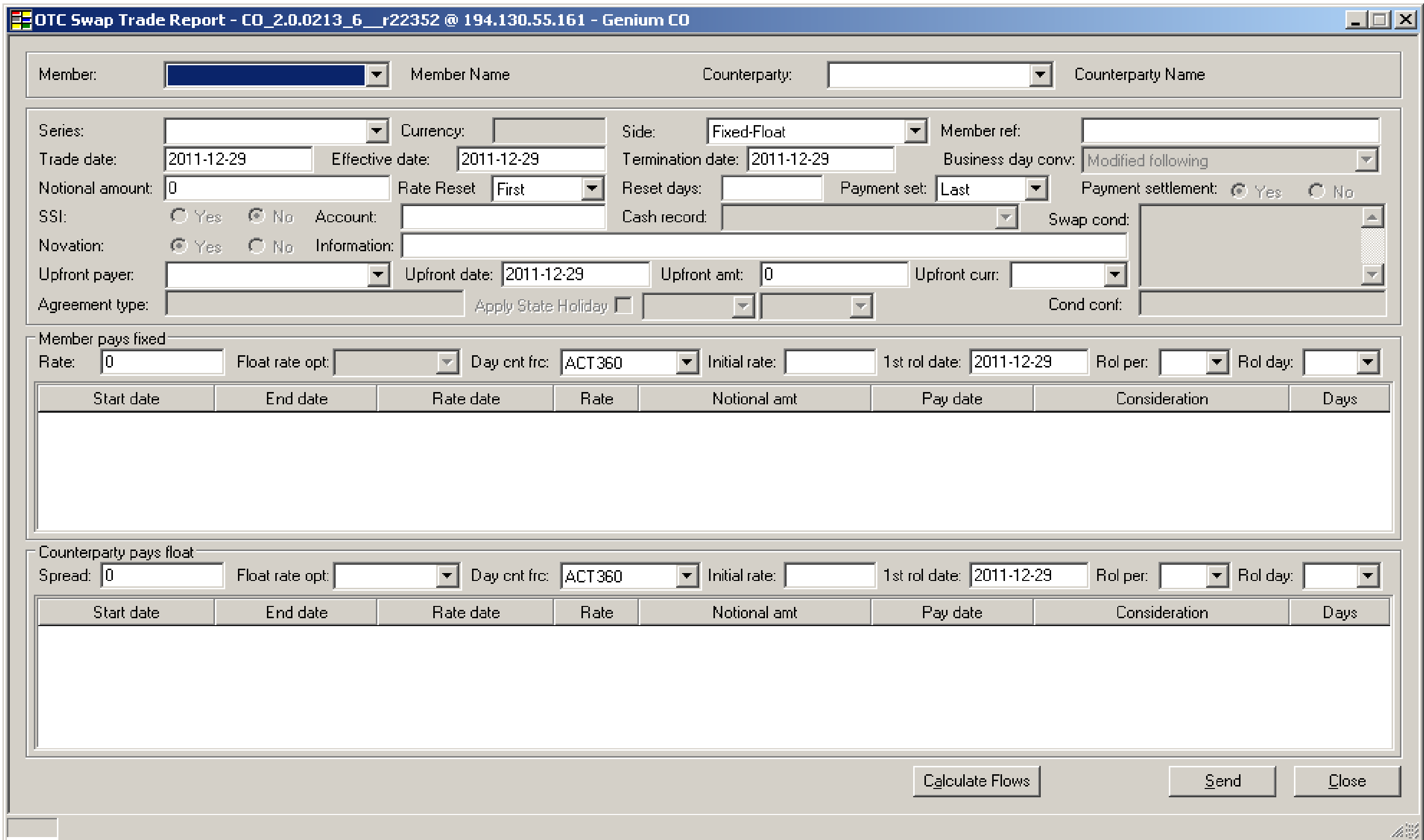
Click ‘Search’, select and right click the trade and click ‘Reject’.

10. OTC Swap Trade Report

CW Menu: OTC: OTC Swap Trade Report

Interest rate Swap trades can be registered through the new trade report window OTC Swap Trade Report that has been implemented in GENIUM. The trade is entered by each members and than automatically matched in GENIUM. The following parameters need to be entered for each trade report. Please see next slide for a definition of the parameters.

- Series
- Counterparty
- Side
- Trade Date
- Effective Date
- Termination Date
- Notional Amount
- Rate Reset (First/Last)
- Reset Days (First/Last)
- Payment Set
- Rate (Fixed/Float)
- Day Count Method
- 1st Roll Date
- Roll Period
- Roll Day



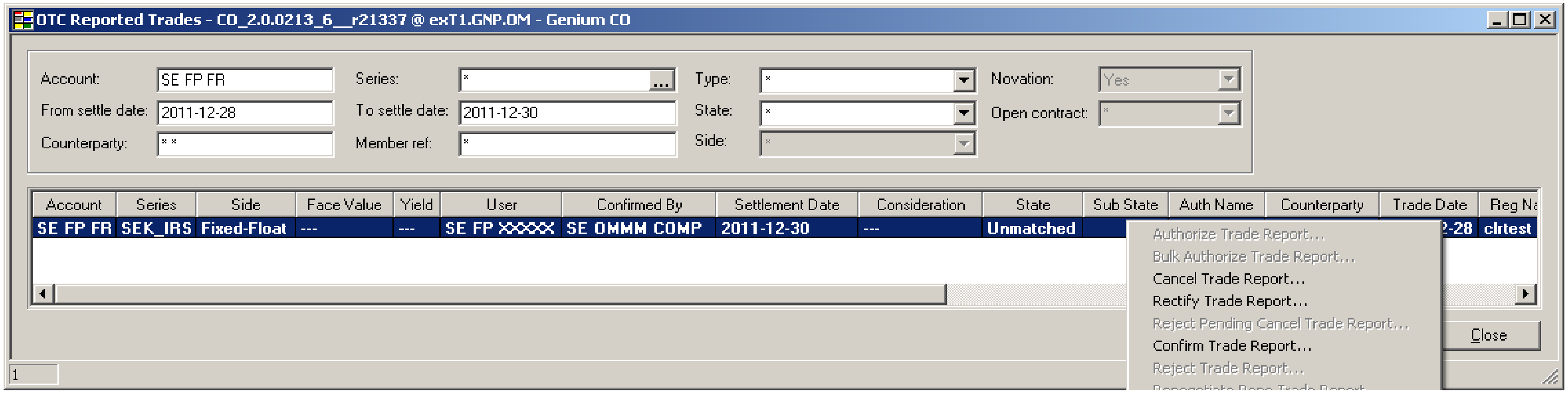
When all parameters have been entered, press Calculate Flows to see the cash flows. If cash flows are correct, press send. Entered trades can be found in Clearing Workstation under OTC/OTC Reported Trades.

CW Menu: OTC: OTC Swap Trade Report

Counterparty: The trading counterparty in the specific transaction
Series: SEKIRS
Side: Fixed-Float or Float-Fixed, determines if the participant should pay fixed and receive floating (Fixed-Float) or pay floating and receive fixed (Float-Fixed)
Trade Date: The date when the trade was conducted. If this date is older than five bank days it is not possible to register the trade through the OTC Swap Trade Report window in SECUR™
Effective Date: The date when interest should start to accrue, this is usually two bank days after the trade date in Sweden
Termination Date: The maturity date of the trade corresponds to the last day of the last interest rate period
Notional Amount: The amount that is used to calculate the cash flows
Rate Reset: Determines when the floating rate should be determined for each floating rate period. **First** when it should be determined at the start of the period or **Last** when it is determined in the end of the interest rate period. For the Swedish market the standard is **First**
Reset Days: Combined with the **Rate Reset** determines the floating rate for each period. In the Swedish market it is usually two (2) **Reset Days** combined with **First** for **Rate Reset** meaning that a new floating rate is determined two bank days prior to the start of the floating rate period
Payment Set: Determines when the payment for each interest rate period is due. This could be set to either **First** or **Last**. The standard for the Swedish market is **Last**
Rate (Fixed/Float): The Fixed rate that is agreed between the parties in the trade and the initial floating rate agreed between the parties
Day Count Method (Fixed/Float): Available choices are US30360, EU30360 and ACT360. US30360 is standard on the Fixed leg for Swedish interest rate swaps and ACT360 is used for the floating leg. EU30360 is used for asset swaps
1st Roll Date: Date of the first interest rate payment for the floating leg and the fixed leg. The date for the fixed leg is usually twelve months after the effective date and three months for the floating leg. This date needs to be a valid bank day
Roll Period: Available choices are **12M** and **3M** and are used by the system to calculate the future cash flows of the transaction. **12M** is the standard for the fixed leg and **3M** for the floating leg
Roll Day: The day in a month when the interest rate period ends and the next period starts. This usually corresponds to the effective and termination day. Available choices **1 - 31**

CW Menu: OTC: OTC Reported Trades

View, match, alter or cancel unmatched SWAP trades.



Match a trade

Click ‘Search’, select and right click the trade and choose ‘Confirm Trade Report …’. Specify ‘Account’ and optional ‘Member ref/ Information’ and click ‘Send’. State is shown as matched.

Alter a trade

Click ‘Search’, select and right click the order and click ‘Rectify Trade Report…’.

Cancel a trade

Click ‘Search’, select and right click the order and click ‘Cancel Trade Report …’.click ‘Send’.’. State is shown as deleted.

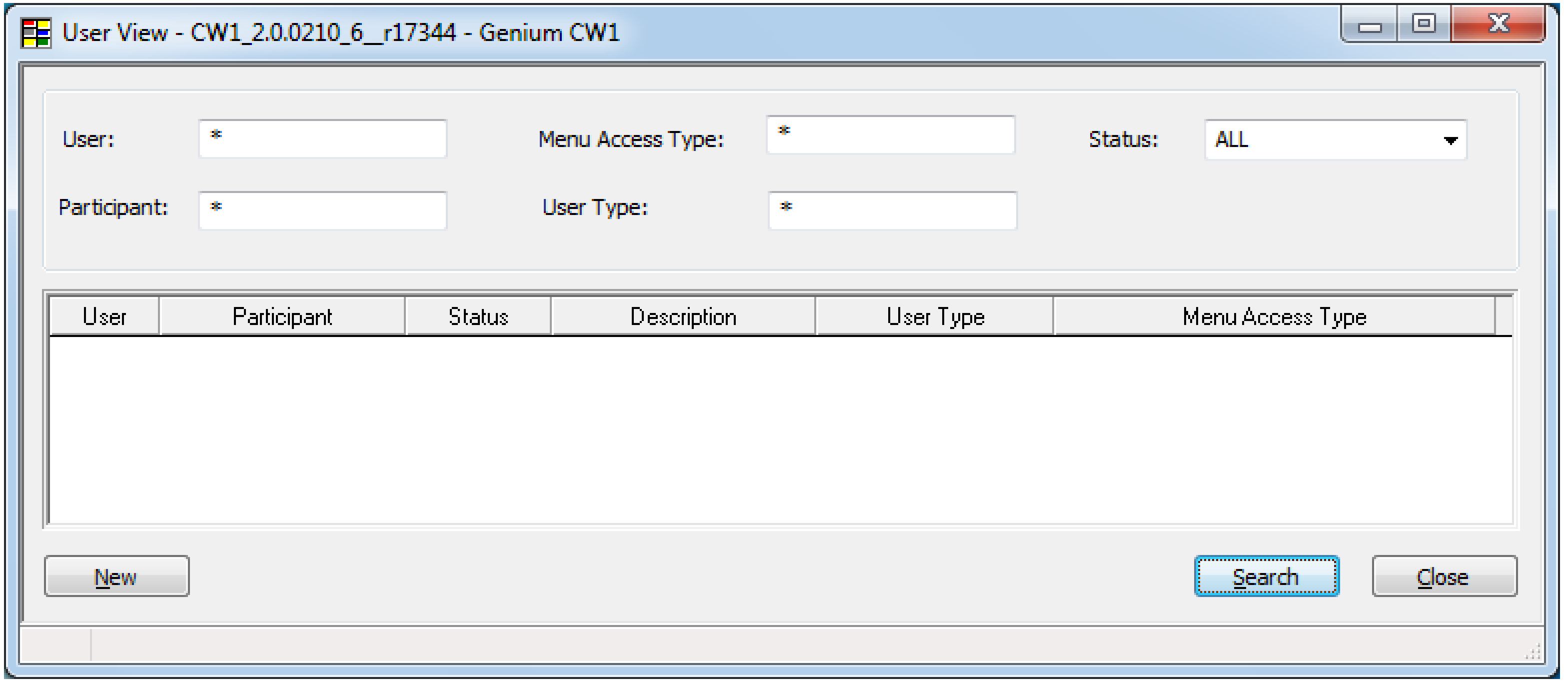
NASDAQ OMX

11. User Administration

The User Admin menu provides options available only to administrators, which can be used to manage users and restrict access rights.

CW Menu: User Admin: Users

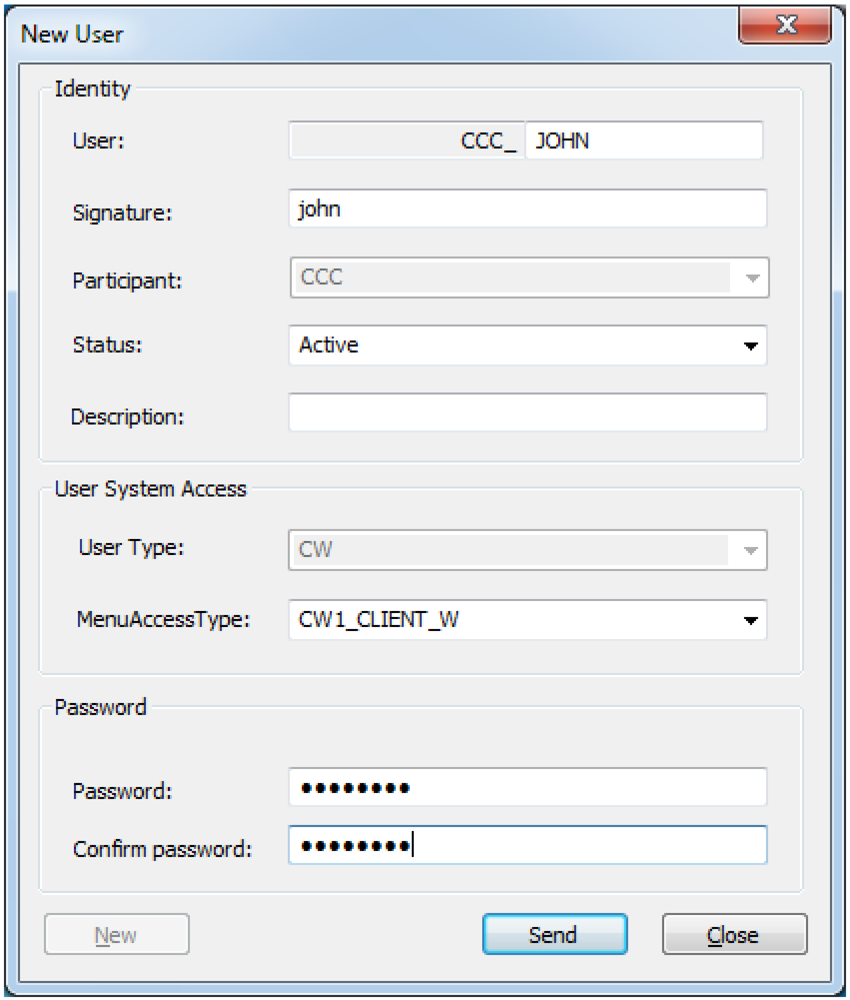
View or edit users and change passwords.



Right-click selected user to reset password or edit user.

CW Menu: User Admin: Users:New

Create a User.



Creating a User
Open the Users window on the User Admin menu and click ’New’.

Specify:

• **User**

This entire code needs to be unique within the Genium INET Clearing system. To achieve this, the field has a prefix part consisting of the member code and an underscore. For example, a user with a user code user1 at participant GCM1 would be identified as GCM1_user1. The “GCM1_” part cannot be altered. The identity specified in this field is the code used both for logging on and for searching in the CW1 windows.

• **Signature**

Specify a user signature, which is unique within the own member. You can choose the same code as the user code as above, but it is not necessary. Allows max. five characters and can be edited.

• **Status**

Select status Active or Suspended.

• **MenuAccessType**

Select one of the defined menu access types in the list.
CW1_ADMIN = Full access with user administration
CW1_CLIENT_W = Full access without user administration
CW1_CLIENT_R = Read only

• **Password/Confirm Password**

• **Click ’Send’**

NASDAQ OMX Contact Details

Clearing Operations (Cash Settlement, Physical Deliveries, Margin and Collateral)
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derivatives@nasdaqomx.com

Trading Operations (Trade Support)
+46 8 405 7360
tradingoperations@nasdaqomx.com
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