

Quick Reference for Traders

Moving from e-cbot to CME Globex – Product Migration What You Need to Know

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Version 1.1

Over two weekends in January 2008, the CBOT and hosted exchange futures and options contracts that currently trade on e-cbot will be migrated to the CME Globex® platform. This overview is designed to give current e-cbot users a summary of the key changes in functionality and operations you need to know once these products begin trading on the CME Globex platform.

For more detailed information about the CME Globex platform, please visit www.cme.com/globex or any of the resources highlighted throughout this guide.

Scheduled Product Launches on CME Globex

Launch Date	Affected Products
Sunday, January 13, 2008	<ul style="list-style-type: none">• CBOT Agricultural commodity products• CBOT Dow Equity products• Hosted exchange products<ul style="list-style-type: none">– Kansas City Board of Trade products– Minneapolis Grain Exchange products
Sunday, January 27, 2008	<ul style="list-style-type: none">• CBOT Interest Rate products

NOTE: CBOT metals complex products – 100 oz. Gold futures and options, 5000 oz. Silver futures and options, mini-sized Gold and Silver futures – will continue to trade on the e-cbot platform into Q2 2008. More information to follow.

Expanded Trading Hours on CME Globex

Trading hours for CBOT products will be expanded when they move onto CME Globex.

	CURRENT TIME (CHICAGO)	NEW TIME CHICAGO	NEW TIME LONDON	NEW TIME SINGAPORE
Pre-Open: Futures	5:30 p.m.	4:50 p.m.	10:50 p.m.	6:50 a.m.
Open: Interest Rates	6:00 p.m.	5:30 p.m.	11:30 p.m.	7:30 a.m.
Open: Equities*	6:15 p.m.	3:30 p.m.	9:30 p.m.	5:30 a.m.
Open: Agricultural	6:30 p.m.	6:00 p.m.	12:00 p.m.	8:00 a.m.
Open: Hosted Exchange	6:30 p.m.	6:00 p.m.	12:00 p.m.	8:00 a.m.

Options and Futures products Open at the same time.

Key Differences in CME Globex Operations from e-cbot:

- Pre-Open for futures – Orders cannot be cancelled or modified during the 30 seconds prior to Open
- All products within a product group Open simultaneously at start of trading period
- No Pre-Open for options
- Equity products trading schedule (all times Central Time)
 - 3:15 p.m. Daily close
 - 3:30-4:30 p.m. Re-open for the next trade date (Mon. – Thurs.)
 - 5:00 p.m. Trading re-opens

(Note: 5:00 p.m. Open on Sunday for next trade date)

* Equity products Pre-Open times vary from the above time. To view the complete schedule of product trading hours for CBOT products on CME Globex, refer to Appendix I of the CBOT and CBOT Hosted Exchange Products on CME Globex Client Impact Document available at www.cme.com/cbotimpact.

Order Types and Order Qualifiers

Order types and order qualifiers are generally consistent across the platforms, although there are some differences in how the available order types behave on e-cbot vs. CME Globex. For a summary of these differences, see [Appendix H of the CBOT and CBOT Hosted Exchange Products on CME Globex Client Impact](#). A complete description of CME Globex order types and order qualifiers is available in the [CME Globex Reference Guide](#).

Market Making Order (MMO & Delta Protection)

The e-cbot Market Making Order (MMO) type and Delta Protection (DPR) type will be replaced by CME Globex Mass Quote functionality. Only exchange-designated market makers are eligible to use Mass Quote functionality, whereas currently any e-cbot participant with MMO-conformed software can enter MMOs or use DPR. In addition, Mass Quote functionality is only available for options. The Mass Quotes functionality has special protections designed to mitigate risk in matched transactions, including Delta protections.

Good-Till-Cancel (GTC) and Good-Till-Date (GTD) Orders

CME Group will provide an extended Pre-Open order entry time during each launch weekend to allow users to manually re-enter Order types (GTC and GTD) from e-cbot to CME Globex. There will not be an automatic GTC/GTD order conversion from e-cbot to CME Globex.

GTC/GTD order functionality will be available for all CBOT products on CME Globex except \$10 Dow futures, options and spreads and all Agricultural options and spreads, with the exception of Ethanol options. However, the extended Pre-Open order entry time will only apply to CBOT futures products because CME Globex does not currently support a Pre-Open period for options. The extended Pre-Open futures order entry times are listed below (all Central Time).

Users must transition their Good-Till Order types for CBOT options products from e-cbot to CME Globex after the CME Globex market opens for those products. GTCs/GTDs may be entered outside of daily price limits on these specific weekends and then any time post-launch such that a Sell order may be above the daily high limit and a Buy order may be below the daily low limit.

Extended Pre-Open Futures Order Entry Times

LAUNCH WEEKEND 1 (JANUARY 11-13)

Friday, January 11:	Agricultural Products, Hosted Exchange Products Equity Products	1:30 p.m. – 6:00 p.m. 4:00 p.m. – 6:00 p.m.
Sunday, January 13:	All products above	3:00 p.m. – Market Opening

LAUNCH WEEKEND 2 (JANUARY 25-27)

Friday, January 25:	Interest Rate Products	4:00 p.m. – 6:00 p.m.
Sunday, January 27:	Interest Rate Products	3:00 p.m. – Market Opening

Note: When you manually re-enter GTC/GTD orders onto CME Globex, the orders will receive a new timestamp than the one previously assigned on e-cbot.

Algorithms

CME Globex will implement three new matching algorithms for CBOT and CBOT Hosted Exchange products. Post-migration, all the algorithms currently used on e-cbot for CBOT and CBOT Hosted Exchange products will be implemented in a similar, but not exact manner on CME Globex. The details are explained below and examples of each algorithm, as well as a complete list of algorithms for each product, are listed in [Appendix E of the Client Impact Document](#).

Pro-Rata with TOP Order Percentage Allocation with Minimum/Maximum (O)

Time Priority (TOP) is assigned to the first order at a price that betters the market when the order is received. For futures, the difference between the e-cbot pro-rata priority with minimum/maximum volume requirements algorithm vs. the CME Globex pro-rata TOP order percentage allocation with minimum/maximum volume requirements is that on CME Globex, the last allocation of remainder volume is distributed FIFO as opposed to e-cbot, where the last allocation of remainder volume is distributed pro-rata based on order size. For options, the last allocation remains the same as on e-cbot.

Pro-Rata with TOP Order Percentage Allocation with Minimum/Maximum and LMM (Q)

The available incoming order quantity for the pro-rata match round is determined after the TOP order and LMM matching occurs. With the pro-rata TOP order percentage allocation with minimum/maximum and LMM (market maker), the CBOT products will allocate TOP then LMM. For CME products, this algorithm allocates LMM then TOP.

Split FIFO/Pro-Rata with TOP Order Percentage Allocation (with Minimum/Maximum) and LMM (K)

The Split FIFO/Pro-Rata algorithm assigns TOP priority to an order that betters the market and also meets the minimum volume threshold. The Split FIFO/Pro-Rata algorithm also establishes a volume cap that limits the quantity a priority order can receive. The remaining quantity following LMM distribution, if any, is split on a X% FIFO and X% Pro-Rata (sum of X=100).

Market Depth

Upon migration, the market depth provided for CBOT products will become consistent with market depth offered on CME Globex:

- Futures: 5 deep
- Implieds: 2 deep
- Options: 1 deep

Futures Spreads and Options Strategy Types

All existing CME Globex option strategy types will apply to CBOT products. In addition, three new strategies will be available:

- BX – Box
- IC – Iron Condor
- BO – Modified Butterfly

The following detailed strategy information can be found in the [CBOT and CBOT Hosted Exchange Products on CME Globex Client Impact Document](#):

- Complete list of futures spreads strategy types for CBOT products – Appendix C
- Complete list of options spreads strategy types for CBOT products – Section 2.3.1
- New option strategy types description – Section 2.3.1.1

Product Codes

A complete list of product codes for CBOT products is available in Appendix F of the [Client Impact Document](#).

Cancel on Disconnect

On e-cbot, all open orders are cancelled upon the last ITM session logoff. There is no Cancel on Disconnect available on CME Globex at this time; it will be available Q1 2008. However, CME Globex does provide FirmSoft and TeleSTAT to access order and trade information. These tools are described in the Support Tools and Services section later in this document.

Error Trade Policy

The CME error trade policy Rule 588 will apply for all products traded on CME Globex, including the CBOT products upon migration. CME plans to modify Rule 588 to allow for the adjustment of option error trades prior to the migration of CBOT products to the CME Globex Platform.

Messaging Policy

The CME Globex Messaging Policy will apply for most CBOT products upon migration. The current e-cbot product benchmarks will be used for the Q1 2008:

- 5 and 10 Year Treasury Note Options and 30-Year Treasury Bond Options will be added at a 75:1 ratio
- Kansas City Board of Trade Wheat Futures will be added to the Messaging Policy in Q1 2008
- The CME Globex messaging policy is available at www.cme.com/messagingpolicy

Implied Pricing

Appendix C of the Client Impact Document lists CBOT and Hosted Exchange futures spreads Implied eligibility. CBOT and Hosted Exchange Futures that are currently eligible for implied functionality on e-cbot will support implieds upon launch on CME Globex. Whereas e-cbot only supported implied OUT functionality, on CME Globex eligible futures will have both implied OUT and implied IN functionality.

GALAX-C Handhelds

Once CBOT products are migrated onto the CME Globex platform, local traders will not be able to use the EHHT units to trade products on screen. Instead, traders can use the GALAX-C electronic handheld trading system, which allows you to directly access futures, options and spreads on CME Globex from the open outcry trading floors.

GALAX-C, a CME-Group provided application and hardware, is available in wireless PDA and Tablet PC formats and is individually configurable. GALAX-C also supports credit controls. If you have any questions, please contact Tom Clark at 312.338.2691, Laura Giacomino at 312.930.8259 or Brian Linker at 312.930.1406. Demonstrations are available at the Side-by-Side desk on the CBOT Agricultural Trading Floor.

Price Banding

To ensure fair and orderly markets, CME Group has a price banding mechanism in place that makes all incoming electronic orders subject to price verification and rejects all orders with clearly erroneous prices. Price bands are monitored throughout the day by the GCC and adjusted if necessary. Enhanced options price banding halts CME Globex options markets, cancels all resting quotes, and is synchronized with Stop Price logic for CME Globex futures markets. In the event a Stop Spike occurs in a given CME Globex futures market due to the triggering of Stop Price orders, e-Stop will halt markets in the corresponding options and options spread markets. A complete description of price banding for futures and options is available [here](#).

Drop Copy Replaces Master Trader Mnemonic

e-cbot Master Trader Mnemonic functionality will no longer be available as products migrate to CME Globex. Drop Copy, a risk management application where copies of CME Globex order entry responses are delivered to the drop copy customer via an alternate FIX connection, is scheduled to be available in late Q1 2008.

Support Tools and Services

CME Globex Control Center

The CME Globex Control Center (GCC) supports products traded on CME Globex and e-cbot. The GCC may be reached at 312-456-2391 or 44 20 7623 4708.

The current e-cbot phone number (312-347-4600) will be routed directly to the GCC. Callers will be greeted with a menu from which they can select to be directed to an e-cbot specialist by pressing option 8, or, by selecting any other option, to be connected to a CME Globex specialist.

In order to provide the fastest service, customers trading products on e-cbot should press 8 when the greeting begins to be routed to an e-cbot specialist. Customers trading products on CME Globex should continue to select the appropriate menu option. Customers trading products on both e-cbot or CME Globex may select the appropriate menu option to first be connected to a CME Globex specialist or press 8 to first be connected to an e-cbot specialist depending on their preference.

Following the weekend of January 25 cutover of all products to CME Globex except e-cbot metals, the e-cbot numbers (and option 8) will be designated for e-cbot metals customers.

GCC Phone Menu

Option:	Description:	Select For:
1	Error trades, order cancellation, order status	Critical exposure areas such as error trades, order status and cancellation
2	CME Globex technical assistance	Issues relating to connectivity, service restoration, order and market data latencies and functionality issues with all CME Globex software, including FirmSoft
3	All other market related assistance, including Block Trades	Block Trade reporting, product information, product schedules, reports of trading irregularities
4	CME Globex Trader® VPN connection issues.	CME Globex Trader VPN connectivity issues (answered by Genuity)
5	OneChicago SSF Issues	All OneChicago issues, including order status and cancellation
6	Certification Environment	All Certification Environment Issues
7	Administrative Assistance	CME Globex Registered Contacts changes, CME TeleSTAT access, and FirmSoft password requests
8	e-cbot traded products	Assistance with all e-cbot traded products
9	TeleSTAT ID	Press 9 to be use your TeleSTAT ID to be routed to a GCC specialist

For additional information, please consult www.cme.com/gcc.

GCC Registered Contacts

GCC Registered Contacts are authorized by their clearing firm via Schedule 3 & 4 to contact the GCC for specific Trader ID(s) and/or account numbers. Registered Contact status allows the GCC team to expedite requests to status/cancel orders, provide last executions and net positions, as well as assist with technical and connectivity issues. Users who are currently a Responsible Person or Backup Responsible Person for an e-cbot ITM will not automatically be Registered Contacts and need to contact their firm's CME Globex firm administrator regarding authorization.

GCC Notifications

All GCC Registered Contacts are enrolled in the GCC Targeted Messaging system, which provides real-time CME Globex updates, including error trade, holiday schedules and market event notifications.

Submit Schedule 3 & 4 to become a GCC Registered Contact, available at www.cme.com/connectionagreement. If you have any questions when filling out the form, please contact your firm's CME Globex firm administrator.

FirmSoft

FirmSoft is a browser-based order management tool that provides real-time visibility into and cancel functionality for working and filled orders, across multiple firm IDs, in the CME Globex order management database. Access to FirmSoft can be granted based on one or more Trader ID(s), session(s) and/or account numbers. eFills, the web-based tool to view e-cbot filled orders, will not be supported for CBOT and Hosted Exchange products migrating to the CME Globex platform.

Complete [Schedule 9](#) to the CME Globex Connection Agreement for access to FirmSoft.

TeleSTAT

TeleSTAT is an automated phone system which enables CME Globex users to access trade information via the telephone. Additionally, traders accessing a single Trader ID and account can obtain order status and cancel their orders. Dial 312-456-2391, option 7 for registration information. Register with the Schedule 3 & 4 at www.cme.com/connectionagreement.

Globex Account Management

CME Globex Account Management (GAM) is a single-point source for CME Globex electronic trading customer support, including software development and connectivity. Members of the GAM department can be reached in Chicago (312-634-8700), London (+44.20.7796.7100) and Hong Kong (+852.3101.7696) or by emailing globexaccountmanagement@cmegroup.com.

Additional Resources

Client Impact Document	www.cme.com/cbotimpact
CME Globex Notices and Newsletters sign-up	www.cme.com/subscribe
CSET, Customer Support for Electronic Trading	CSET@cmegroup.com 312-930-2322

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