

Certification Environment Overview

The purpose of this document is to describe some of the basic usage questions concerning the CME® market data/order entry certification/test environment. The certification environment is the place to test your applications which connect to the CME Globex® System.

Environment

1. Connectivity to the certification environment is available via:
 - Secure VPN access with two possible scenarios for Internet connectivity:
 - Customer uses a high speed internet connection such as ASDL.
 - Customer provides an interface on the corporate firewall for the VPN router (only for iLink® connectivity)

Contact your CME Globex Account Manager to further discuss these options.

2. Note that the certification environment is down for regularly scheduled maintenance from **Noon-5pm CST every Tuesday**. If permissioned for OneChicago products in cert, there is an additional downtime of Wednesday 12-4pm. This downtime will not affect CME products. Outside of scheduled downtime, the cert environment availability mirrors CME Globex production.
3. For any problems with connectivity or with the certification environment, please call the CME Globex Control Center (GCC) at (312) 456-2391.
4. Upon request of a certification environment user ID, you will be added to an email list that provides timely updates regarding any issues with the certification environment. Contact your Account Manager to add or remove people from this notification.

Market Data

1. You can listen to multiple channels for market data feeds depending upon your unique business needs. CME provides market data created within the certification environment.

Two message format options are available for market data dissemination:

1. The RLC format contains only Globex data with market depth.
 2. The ITC format contains top-of-book Globex, open outcry, and cash index market data.
2. CSET receives many questions about how to obtain certain information from the market data messages we are sending. It's important to understand that while the

RLC specification has the flexibility to allow more than one message type to carry a given price (i.e. settlement, high/low), CME uses the RLC spec as follows:

- Top 5 bid/ask – MA
- Settlement Price – M7
- Last Trade – M0 or M6/M5
- Top bid/ask – M0
- Tick Size – MO
- Price Limits – MI

Order Entry

1. All products in production are available in the cert environment with the exception of 2 contracts that are reserved for internal testing (6J – Japanese Yen and 6S – Swiss Franc). These contracts are unavailable for customer testing use. All other CME products are available in cert.
2. If you have a need to test with a contract that others are not actively trading, contact CSET and they will be able to identify a target contract for your testing.
3. Simply contact your CME Globex Account Manager if you would like access to trade OneChicago single-stock future contracts in the certification environment. Permissioning takes 1-3 days.
4. Please cancel your working orders after you complete your session in the certification environment. As our certification environment is scaled similar to production, we have limited space for open orders. This is not an issue in production as orders are more often matched and/or cancelled in a live market.
5. To help maintain a stable market for cert products, please try to enter a price that is near where the contract trades in production. This will allow normal matching.
6. The contracts trade at the same hours in the production and in the certification environments. You can find their trading hours at http://www.cme.com/about_cme/about_tradinghours.cfm

Contacts

CSET Development/Certification Helpline: 312.930.2322; cset@cme.com

The CSET Team is available for any development questions for order entry and market data application.

CME GLOBEX Control Center: (312) 456-2391

The GCC Team is available for any issue with connectivity to the certification environment. Available 24 hours a day, from 3:30 p.m. Sunday through 4:30 p.m. Friday.

CME Globex Account Mgrs: 312.634.8700; globexaccountmanagement@cme.com
Your Account Manager is your main point of connect throughout the development, certification, and CME Globex connectivity process.

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