



Cancel On Disconnect

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1. Overview

Cancel On Disconnect (COD) monitors the iLink system for involuntary lost connections between iLink users and the CME Globex® platform. If a lost connection is detected, COD cancels all resting futures and options orders for the disconnected registered iLink user. This does not include GTC (Good 'til Cancel) and GTD (Good 'til Date) orders. It is the user's responsibility to reenter all orders that have been cancelled by COD. There is no charge for the COD service.

1.1 Conditions under Which COD is Invoked

CME Group detects a loss of session connectivity by monitoring its application messaging with the client system. When there is a lack of messages received for a period exceeding the client-specified heartbeat interval, CME Group will send a Test Request message to the client to check for connectivity. The following process will be executed:

- If a Test Request is sent, a Heartbeat message should be sent in response, although any message received will satisfy the Test Request.
- If CME Group does not receive a Heartbeat message (or any message) in response to the Test Request message by the end of the next Heartbeat interval, the connection is assumed to be stale and the socket is closed.

If CME Group closes a session's socket as a result of lost connectivity (determined by the above process), the Cancel On Disconnect functionality will be invoked for COD-registered trader IDs on the particular session. Connectivity is monitored in this way until the voluntary client logout process is successfully completed.

Note: If the connection being closed is the primary connection and the client employs Fault Tolerance, CME iLink 2.X initiates a fail over process to make the backup connection the new primary. This does not trigger Cancel On Disconnect.

For more information regarding Test Request monitoring and Fault Tolerance, please refer to the [iLink SDK Core Functionality](#) document.

1.2 Conditions under Which COD is Not Invoked

Cancel On Disconnect is not invoked for a graceful disconnect -- a voluntary log out performed by the client system which executes the full logging out process. This involves the successful completion of each of the following steps prior to termination of the connection:

- Client system sends logout request
- CME Group sends logout confirmation
- Client system receives logout confirmation

1.3 Registration

Cancel On Disconnect (COD) is a subscription-based service. Your firm administrator must complete and submit registration forms to the Globex® Control Center (GCC). GCC administrators verify session ID and trader ID information has been included for registration. Any incomplete forms are returned to your firm administrator. A registration confirmation is sent for all completed applications, followed by a user confirmation email containing trader ID(s), account(s) information and activation date and time.

Registration for COD is based on session ID and trader ID. Trader IDs are associated with their respective session IDs during registration. The session disconnect triggers COD for all registered session and trader ID pairs.

Note: There is a 24 hour turn-around for COD services provided that requests from customers are submitted by noon.

1.4 Functionality

The COD functionality allows users to have working orders automatically canceled upon the involuntary loss of session connectivity. Upon a session disconnect, the COD functionality checks for resting orders for registered session and trader ID pairs and sends a command to cancel the orders. If COD has worked correctly, a user will receive all cancel acknowledgment messages upon reconnecting.

In the event a market is in a no-cancel period, or during certain emergency situations where it is necessary to transition the market to a state that does not allow order cancellations, all orders may not be cancelled.

Customers should either call the GCC or login to iLink to check order status after an ungraceful disconnect. Upon ungraceful disconnect, if COD functionality attempts to cancel an order that has been completely filled at the host, this cancel request will be rejected with an Execution Report (tag 35-MsgTyp=8) Message with the reason as Too Late to Cancel (TLTC).

Note: Cancels initiated by COD will be visible in FirmSoft.

2. Cancel Scenarios

The following tables illustrate various cancel scenarios for COD. The registered session and trader IDs are indicated where multiples are listed.

2.1 One Session ID and One Trader ID

With one registered session ID and trader ID, COD cancels resting orders for its respective session ID and trader ID.

Table 2.1. Scenario 1

Session ID	Trader ID	Expected Result
ABC	0A3L	cancel all resting orders

2.2 One Session ID with Multiple Trader IDs

When one session ID can route to different trader IDs, thus different firm numbers, COD will only cancel orders for the registered session ID and trader ID pair.

The registered session ID and trader ID pairs for this example are:

- session ID ABC, trader ID 0J0L (firm 000)
- session ID ABC, trader ID 1B3L (firm 123)

The non-registered session ID and trader ID pair for this example is:

- session ID ABC, trader ID 2C4L (firm number 234)

Table 2.2. Scenario 2 Session ABC Ungracefully Disconnects

Session ID	Trader ID	Expected Result
ABC	0J0L	cancel all resting orders for this session ID and trader ID pair
ABC	1B3L	cancel all resting orders for this session ID and trader ID pair
ABC	2C4L	will not cancel resting orders for this session ID and trader ID pair

2.3 Customer Support

For any questions or concerns regarding the COD service, please contact your CME Group Globex Account Manager at 312.634.8700, 44.20.7796.7100 for Europe, or +852 3101 7697 for Asia.

Revision History

Initial Release	Version	Last Update	Author	Description
3/19/08	1.0	N/A	LM	Initial Release
3/19/08	1.1	5/20/08	KH	Clarified "Overview" on Page 1, added sections 1.1 and 1.2. Modified title text "One Session ID with Multiple Trader IDs" on Page 3.