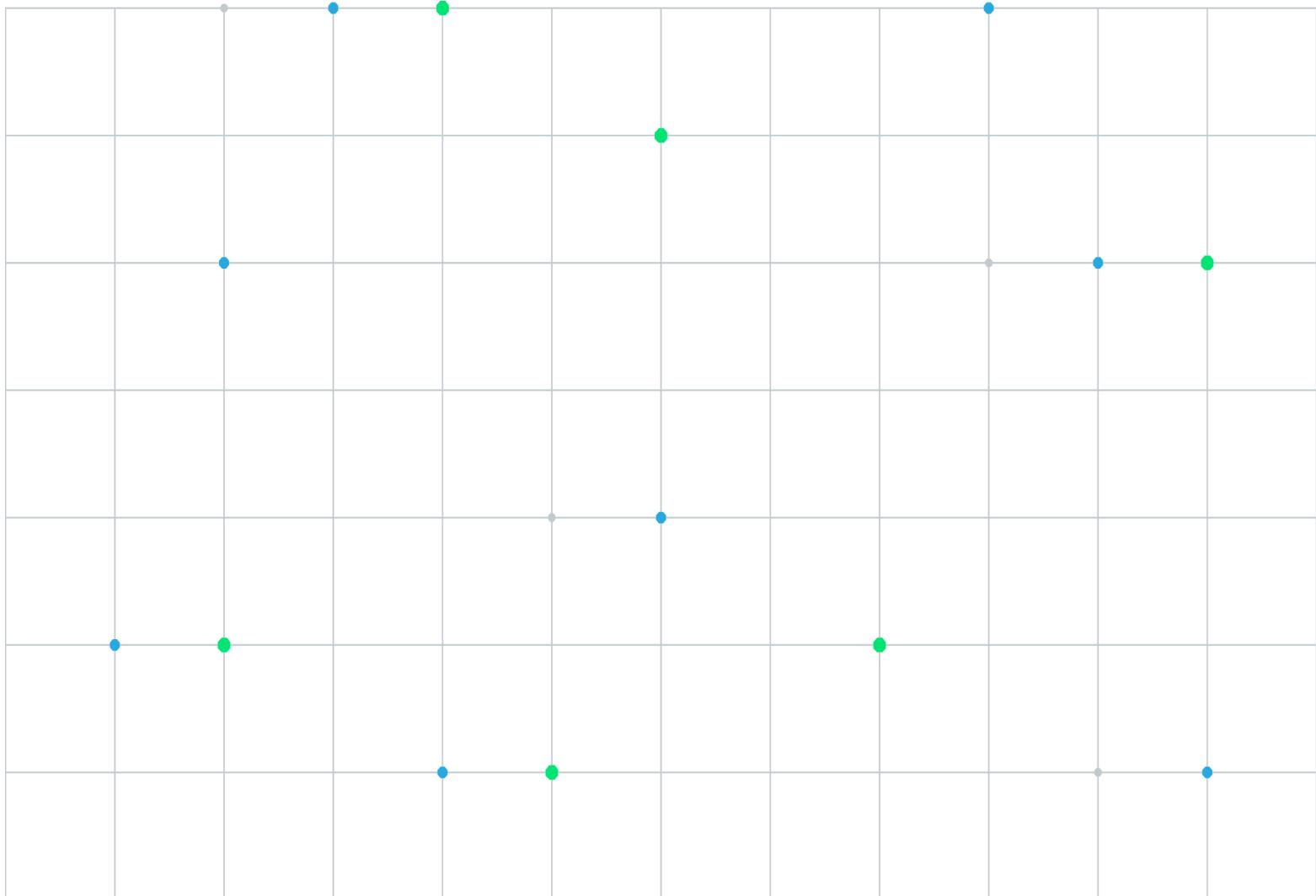


CME Customer Center User Manual

19 November 2025



Neither futures trading nor swaps trading are suitable for all investors, and each involves the risk of loss. Swaps trading should only be undertaken by investors who are Eligible Contract Participants (ECPs) within the meaning of Section 1a(18) of the Commodity Exchange Act. Futures and swaps each are leveraged investments and, because only a percentage of a contract's value is required to trade, it is possible to lose more than the amount of money deposited for either a futures or swaps position. Therefore, traders should only use funds that they can afford to lose without affecting their lifestyles and only a portion of those funds should be devoted to any one trade because traders cannot expect to profit on every trade. All examples discussed are hypothetical situations, used for explanation purposes only, and should not be considered investment advice or the results of actual market experience.

CME Group, the Globe Logo and CME are trademarks of Chicago Mercantile Exchange Inc. CBOT is a trademark of the Board of Trade of the City of Chicago, Inc. NYMEX is a trademark of New York Mercantile Exchange, Inc. COMEX is a trademark of Commodity Exchange, Inc. All other trademarks are the property of their respective owners.

The information within this manual has been compiled by CME Group for general purposes only. CME Group assumes no responsibility for any errors or omissions. Additionally, all examples in this manual are hypothetical situations, used for explanation purposes only, and should not be considered investment advice or the results of actual market experience. All matters pertaining to rules and specifications herein are made subject to and are superseded by official CME, CBOT and NYMEX rules. Current rules should be consulted in all cases concerning contract specifications.

Copyright © 2026 CME Group Inc. All rights reserved.

Table of Contents

| | |
|------------------------------------------------------|-----------|
| Getting Started | 6 |
| My Account | 6 |
| What's New | 8 |
| Accessing CME Customer Center | 14 |
| Registering for Self-Service | 14 |
| Logging In and Out | 14 |
| PGP Key Management for Emailed Reports | 15 |
| Uploading PGP Public Key | 16 |
| Deleting PGP Public Key | 19 |
| Secure File Transfer Configuration | 20 |
| Request SFTP Access | 20 |
| EBS Report Setup | 21 |
| Access SFTP Management | 22 |
| Assign User Permission | 23 |
| Creating SFTP ID | 23 |
| Set up SSH Authentication from My Account page | 24 |
| Set up PGP Encryption from My Account page | 26 |
| Claiming SFTP ID | 27 |
| Access SFTP Data and Reports | 28 |
| SFTP Support - BrokerTec / EBS | 30 |
| API ID Management | 30 |
| Creating an API ID | 30 |
| Managing API IDs | 33 |
| Request Center (ESS) | 36 |
| My Requests | 37 |
| Preferences | 38 |
| Clearing Firms | 39 |
| Front End Systems | 39 |
| Permissions | 40 |
| Futures and Options Requests | 41 |
| Globex Firm IDs | 42 |
| Authorized Users | 42 |
| Accessing Globex Firm IDs | 42 |
| GFID Functions | 43 |
| Creating a Globex Firm ID | 44 |
| Reviewing GFID Requests | 47 |
| Editing a Globex Firm ID | 49 |
| Expiring a Globex Firm ID | 50 |
| Drop Copy Groups | 53 |
| Creating a Drop Copy Group | 53 |
| Creating a Drop Copy Group | 53 |
| Editing and Deleting | 56 |
| Securing Drop Copy Sessions | 58 |
| Order Entry / iLink Sessions | 61 |

| | |
|-----------------------------------------------------------------|-----|
| Accessing Order Entry / iLink Sessions | 61 |
| Authorized Users | 62 |
| Order Entry / iLink Session Functions | 62 |
| iLink Order Entry Sessions Self-Service Permissions | 63 |
| View Change Log | 64 |
| Creating iLink Order Entry Session | 65 |
| Request Status | 67 |
| Reviewing iLink Order Entry Session Requests | 69 |
| Editing / Deleting iLink Order Entry Session (IDs) | 70 |
| Deleting Order Entry / iLink sessions | 71 |
| Securing Order Entry / iLink Sessions | 73 |
| Registering and Managing Globex Operator IDs (Tag 50) | 79 |
| Accessing Globex Operator ID / Tag 50 Self-Service | 79 |
| Authorized Users | 79 |
| Globex Operator ID (Tag 50) Functions | 80 |
| Operator ID Video Tutorial | 82 |
| Globex Registration on the Exchange Fee System | 82 |
| Contact Information | 82 |
| Registering Operator ID / Tag 50 | 82 |
| Adding Clearing Firms | 89 |
| Related Functions | 90 |
| Managing Firm Permissions | 90 |
| Managing Operator ID User Entitlements | 91 |
| Cancel on Behalf | 94 |
| BrokerTec Requests | 97 |
| BrokerTec Globex Firm ID | 98 |
| BrokerTec GFID Functions | 102 |
| BrokerTec Globex User Signature | 104 |
| Accessing BrokerTec Globex User Signature | 104 |
| Creating a BrokerTec Globex User Signature | 105 |
| Cloning a BrokerTec Globex User Signature | 111 |
| Expiring a BrokerTec Globex User Signature | 111 |
| Algorithmic Trading | 113 |
| Assigning Algorithmic Trading Systems to Owner (GFID/GUS) | 115 |
| Annual Algorithmic System Certification | 118 |
| Update Algorithmic Trading System Owner Information | 122 |
| BrokerTec Drop Copy Groups | 125 |
| Creating a Drop Copy Group | 125 |
| Secure Key Pairs | 128 |
| Generating Keys for Drop Copy Sessions | 128 |
| Editing Drop Copy Groups | 131 |
| BrokerTec Order Entry Sessions | 134 |
| BrokerTec Order Entry Functions | 134 |
| Secure Key Pairs | 138 |
| Securing iLink Order Entry Sessions (HMAC) | 138 |
| BrokerTec Market Data Sessions | 145 |
| EBS Requests | 152 |

| | |
|-----------------------------------------------------------------|-----|
| EBS Globex Firm ID | 153 |
| Creating a EBS Globex Firm ID | 153 |
| Step 4: Market Data Products: | 159 |
| Additional EBS GFID Functions | 162 |
| EBS Globex User Signature | 163 |
| Accessing EBS Globex User Signature | 163 |
| Reviewing Submitted GUS Requests | 165 |
| Creating an EBS Globex User Signature | 166 |
| Editing GUS Information | 174 |
| Editing associated EBS Globex Firm ID Information | 180 |
| Expiring an EBS Globex User Signature | 182 |
| Cloning an existing Globex User Signature: | 183 |
| Algorithmic Trading - EBS | 185 |
| Assigning Algorithmic Trading Systems to Owner (GFID/GUS) | 186 |
| Annual Algorithmic System Certification | 191 |
| Update Algorithmic Trading System Owner Information | 195 |
| Drop Copy Sessions | 197 |
| Creating an EBS Drop Copy Session | 197 |
| Editing EBS Drop Copy Session Information | 201 |
| Secure Key Pairs | 203 |
| Generating Keys for Drop Copy Sessions | 203 |
| Downloading Keys for EBS Drop Copy Groups | 206 |
| Deleting Keys for EBS Drop Copy Groups | 207 |
| Order Entry Sessions | 209 |
| Creating a EBS Order Entry Session | 209 |
| Editing EBS Order Entry Session Information | 211 |
| Generating Keys for EBS Order Entry Sessions | 212 |
| Downloading Keys for EBS Order Entry Sessions | 215 |
| Deleting Keys for EBS Order Entry Sessions | 217 |
| Market Data Sessions | 218 |
| Creating an EBS Market Data Session | 218 |
| Editing Market Data Session Information | 220 |
| Secure Key Pairs | 222 |
| Generating Keys for EBS Market Data Sessions | 223 |
| Downloading Keys for EBS Market Data Sessions | 226 |
| Deleting Keys for EBS Market Data Sessions | 227 |
| Personally Identifiable Information (PII) | 229 |
| Assigning PII Manager Entitlement | 229 |
| PII Data Submission | 232 |
| View Summary / Submit Individual PII Information | 232 |
| File Upload | 236 |
| View Submitted Request Status | 239 |
| User / Firm Administration | 241 |
| Accessing User Administration | 241 |
| EBS Application Roles | 243 |
| BrokerTec Application Roles | 244 |
| Futures& Options Application Roles | 245 |

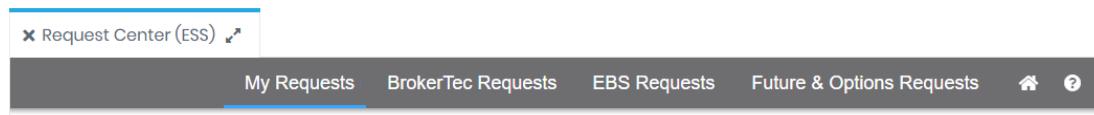
| | |
|--------------------------------------------------------|-----|
| Adding Application Administrator / Admin Manager | 248 |
| Adding User Entitlements | 251 |
| Managing User Entitlements | 254 |
| FirmSoft User Administration | 256 |
| Adding FirmSoft Users | 257 |
| Viewing Application Users | 263 |
| Managing FirmSoft Entitlements | 265 |

Getting Started

The CME Customer Center is used by clearing and execution / trading firm users to create and manage entity and user requests to a variety of CME Group applications and services.

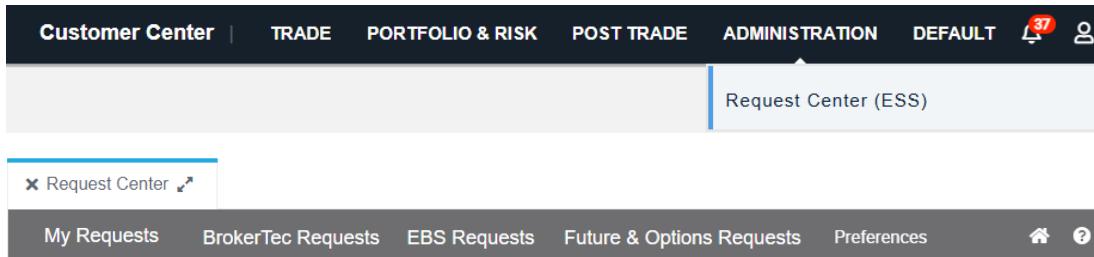
Authorized clearing and execution firm administrators can access the following functions:

- **Customer Center menu:** Select applications and services from a common navigation menu.



Available selections are based on assigned permissions.

- **Request Center (ESS):** Self-service functions for managing [Futures & Options](#), [BrokerTec](#), [EBS](#) entity requests; including [Clearing Firms](#), [Front End Systems](#), Globex Operator ID / iLink Order Entry Session [Permissions](#).



- **User and Firm Administration:** Assign admin manager / application admin / application user entitlements and manage firm user access to applications and services.
- **CME Group Login:** Manage CME Group Login Profile and Preferences; including user contact information, [API](#), [SFTP](#) and [PGP](#) IDs.

CME Group Login is a self-service, centralized user profile service for authenticating access to CME Customer Center services and tools.

My Account

Use the **My Account** function to access additional services.

A screenshot of the 'My Account' page. At the top, there is a header with a 'My Account' button. Below the header, there are two main sections: 'Token' and 'Access Code'. The 'Token' section contains a sub-section for 'My Profile'. The 'Access Code' section contains a sub-section for 'SFTP Management'. At the bottom, there are several navigation links: 'My Profile' (selected), 'Trading Interest', 'Email Preferences', 'Alerts', 'Bookmarks', 'APIs', 'PGP Keys', and 'SFTP Management'.

- **My Profile** - Manage [user](#) contact information and [multi-factor](#) or [federation](#) authentication
 - [Reset](#) forgotten password
 - Generate an [access code](#) when contacting CME Group for support.
 - To complete application access, generate a [token](#) to provide to your firm administrator
- **Trading Interest** - Receive more educational information for the selected interests.
- **Subscription Center** - Sign up to receive email communication for topics of interest.

- **Bookmarks** - Save CME Group website content for reference.
- [**API Management**](#): Create and manage IDs that are used to authenticate system-to-system communication to CME Group applications.
- [**PGP Key Management**](#): Upload and manage PGP public keys which are used to view encrypted reports, sent by email.
- [**SFTP Management**](#): Create and manage IDs and secure profiles to authenticate access to view reports over a secure connection.
 - [BrokerTec / EBS SFTP Support](#)

For information on additional functions (e.g. User Profile or authentication, Duo, Federation), refer to the [CME Group Login User Help](#).

What's New

The list below illustrates the updates made to the CME Customer Center user manual.

| Date | Topic | Description |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| November 19, 2025 | Personally Identifiable Information | Instructions for the PII function are added. This function is used to provide required information for MiFID regulatory requirements. |
| October 31, 2025 | EBS - Globex User Signature BrokerTec - Globex User Signature | On the list of GUS identifiers, a header bar displays the currently selected AG/Registered Entity. |
| October 20, 2025 | various | Updated Request Center name to Request Center Enterprise Self Service (ESS); excluding user entitlements. |
| July 22, 2025 | Futures and Options Requests - Tag 50 (Globex Operator ID) | Date of birth is indicated as required and hidden after initial submission. |
| July 21, 2025 | Futures and Options Requests - Cancel on Behalf | Users can enable/disable cancel on behalf functionality for up to 10 sessions. |
| July 15, 2025 | EBS Requests Globex User Signature | Updated Step 3. Order Entry Products to include FX Spot+ product selection/assignment. |
| July 8, 2025 | Drop Copy Groups | Support for MGEX as a partner exchange has ended (last day of trading June 27, 2025) and references to Minneapolis Grain Exchange / MGE / MGEX have been removed. |
| May 17, 2025 | Futures and Options Requests <ul style="list-style-type: none"> • Globex Firm ID • Drop Copy Group • Order Entry / iLink Sessions • Operator ID / Tag 50 • Cancel on Behalf | Updated Futures and Options Requests functions and entry fields |
| October 11, 2024 | EBS Requests - Globex Firm IDs | updated transaction reporting information |
| October 11, 2024 | <ul style="list-style-type: none"> • BrokerTec Requests - Algorithmic Trading • EBS Requests - Algorithmic Trading | Manually entered certification details are required (ATS Team Members, Algo Testing & Procedure Declarations, Key Contacts) |

| Date | Topic | Description |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| September 20, 2024 | <ul style="list-style-type: none"> PGP Key Management Secure File Transfer API IDs | Updated My Account (Profile) navigational menu |
| September 11, 2024 | Cancel on Behalf | Added instructions for managing cancel on behalf functionality for GFIDs managing futures and options orders / mass quotes |
| September 9, 2024 | SFTP Support - BrokerTec / EBS | added SFTP support topic and frequently asked questions |
| May 6, 2024 | BrokerTec Requests - Globex User Signature | Added instructions for expiring a GUS |
| May 6, 2024 | EBS Requests - Globex User Signature | Added instructions for expiring a GUS |
| March 22, 2024 | EBS - Globex Firm ID | Added required MiFID article 26 compliance question, all UK/EU market participants must specify intended compliance with <i>transaction reporting requirements</i> . |
| March 22, 2024 | BrokerTec - Globex Firm ID | Added required MiFID article 26 compliance question, all UK/EU market participants must specify intended compliance with <i>transaction reporting requirements</i> . |
| March 22, 2024 | BrokerTec - Globex User Signature | UK / EU Market participants must specify the short code and register person identifier information (PII) at the upload facility. |
| March 22, 2024 | BrokerTec - Globex User Signature | UK / EU Market participants must specify the short code and register person identifier information (PII) at the upload facility. |
| September 25, 2023 | BrokerTec - Algorithmic Trading EBS Algorithmic Trading | For system certification, users can upload a pdf file or manually enter required algorithmic system operating details |
| September 8, 2023 | FirmSoft User Administration | Authorized firm admins can perform additional entitlement management functions directly from the Edit Entitlements screen. |
| August 25, 2023 | BrokerTec - Globex User Signature EBS - Globex User Signature | New feature that enables cloning a GUS, including the configuration details |
| June 20, 2023 | User / Firm Administration | New User Administration role for BrokerTec / EBS - Risk Management Tools API |
| January 23, 2023 | Globex Firms | New function: Enable Cancel on Behalf function |
| November | EBS Requests - Globex | Added note: if GUS will be used by prime client / bank, the email |

| Date | Topic | Description |
|--------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 21, 2022 | User Signature | domain must be registered prior to creating the GUS. |
| August 8, 2022 | Secure File Transfer | Additional details for SSH authentication and PGP encryption and its use for sending / receiving encrypted files |
| July 13, 2022 | EBS Requests - Globex User Signature | Making user entitlements pending / active |
| June 11, 2022 | EBS Requests - Globex User Signature | Reviewing submitted requests |
| May 18, 2022 | Algorithmic Trading - EBS | new module to associate algorithmic automated trading systems with a GFID / GUS |
| March 22, 2022 | Secure File Transfer Management | reorder SFTP ID creation: Complete authentication / encryption, multi-factor authentication before generating the password. |
| March 4, 2022 | EBS Application Roles | Added application roles that can be assigned from the User Administration function |
| January 28, 2022 | Secure File Transfer Management | Accessing SFTP Data and Reports: Added EBS connection IP address |
| January 25, 2022 | Secure File Transfer Management | SFTP post trade report registration form link updated |
| December 28, 2021 | Secure File Transfer Management | EREP and SFTP report registration form links added |
| December 5, 2021 | Secure File Transfer Management | Added instructions for EBS report request and setup |
| October 20, 2021 | Algorithmic Trading | Added instructions to update Algo owner information |
| October 2, 2021 | API ID Management, PGP Key Management, SFTP | Additional topics added to assist users to manage My Account functions |
| September 10, 2021 | Algorithmic Trading | BrokerTec EU customers are required to certify algorithmic trading systems annually. |
| June 20, 2021 | BrokerTec Requests - Globex Firm Id | BrokerTec EU customers must provide additional information on the NEX Upload Facility for BrokerTec EU. |
| April 12, 2021 | BrokerTec Requests | Added Globex Firm ID, Globex User Signature video tutorial. |
| April 9, 2021 | BrokerTec Requests | Globex Firm ID, Globex User Signature process updates. |
| February 19, 2021 | various | renamed Tag 50 to Operator (also called Globex Operator ID / CME Globex Operator ID) |
| December 5, 2020 | User / Firm Administration | Consolidated User Administration instructions for simpler navigation. Added BrokerTec User Admin roles |

| Date | Topic | Description |
|-------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| April 3, 2019 | Managing Tag 50 Registering Tag 50 ID | Associated entity includes two character Firm ID. Authorized trading firm users can register a Tag 50 ID and submit to clearing firm for approval. |
| June 14, 2019 | Registering Tag 50 IDs | Added required date of birth field. |
| November 8, 2019 | Tag 50 ID / Registering Tag 50 ID | video overview and tutorial guides steps required to create tag 50 IDs. |
| October 4, 2019 | Registering Tag 50 IDs | Adding clearing firm selections |
| September 5, 2019 | User Administration - Positions | Removed. For administrative instructions for Positions, refer to FEC Plus / FEC+. |
| August 23, 2019 | My Profile | Updated links to CME Group Login |
| June 4, 2019 | User Administration - FirmSoft | updated application name, FirmSoft Administration to FirmSoft |
| May 7, 2019 | Request Center - Globex Requests - iLink Sessions | Updated iLink Sessions table: Key ID / Expiration Date with key management options - generate, download, delete |
| March 4, 2019 | Incentive Programs | Removed Request Center - Incentive Program |
| February 11, 2019 | User Administration - FirmSoft | New self-service administration functionality for managing FirmSoft application entitlements. |
| February 11, 2019 | User Administration - All | Revised and reduced instructions for all user administration self-service applications. |
| November 30, 2018 | Registering Tag 50 ID | Clearing member firm administrators can register tag 50 ID for individuals and ATS teams |
| October 19, 2018 | Incentive Programs | Background Attestation - Annual Enrollment |
| October 1, 2018 | Globex Firms | Additional guidance for clearing firm relationship updates. |
| September 7, 2018 | My Preferences | Added user selectable themes and backgrounds and website tiles. |
| August 14, 2018 | iLink Sessions | Submitted iLink sessions are created directly and do not require clearing firm administrator approval. |
| August 4, 2018 | Viewing and Managing Tag 50 IDs | A list of available Tag 50 IDs can be exported. |

| Date | Topic | Description |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| July 24, 2018 | Drop Copy Groups | Target sessions cannot be directly deleted; Drop Copy Group only. Contact GAM for assistance |
| June 1, 2018 | Viewing and Managing Tag 50 IDs | Authorized users can receive entitlements to view Tag 50 ID details for their firm. Admin Manager users can authorize user entitlements for users to view and / or manage Request Center self-service capabilities. |
| June 1, 2018 | User Administration | Updated available Request Center Roles / Entitlements: Tag 50 View, Tag 50 Permissions. |
| March 14, 2018 | User / Firm Administration | Risk Management Tools: Updated details for Front / Middle / Back office entitlements. |
| January 16, 2018 | Securing iLink Sessions and Drop Copy Groups | Added instructions for securing iLink Sessions and Drop Copy Groups with Hash Message Authentication Codes (HMAC). |
| January 3, 2018 | Tag 50 IDs Preferences | New entitlement enables authorized users to enable execution / trading users to view firm-wide Tag 50 details. |
| December 8, 2017 | <ul style="list-style-type: none"> • Managing Incentive Programs • Viewing / Managing Program Accounts • Applying / Renewing Incentive Agreements | <ul style="list-style-type: none"> • Updated roles and entitlements for Read, Write, Approver. • Updated Program status, and submission options to include: Renew, Apply, Resume, Review and Submit. • Terms of Participation updates. |
| September 30, 2017 | Securing iLink Sessions | Added solution for generating and managing HMAC secure key authentication |
| September 8, 2017 | Adding User Entitlements | CME Europe decommission, removed references to registration forms and entitlement administration assignment. |
| September 5, 2017 | <ul style="list-style-type: none"> • Tag 50 • FAQ | <ul style="list-style-type: none"> • Ability to search for a particular Tag 50 ID. • Frequently asked questions, which describes reasons for Tag 50 registration, related functionality and references to related content. |
| August 5, 2017 | Viewing Tag 50 IDs | New functionality for Registered Entity users to view Tag 50 / CME Globex Operator IDs. |
| June 2, 2017 | Request Center | Visual menu update |
| May 20, 2017 | Request Center - Incentive Programs | Additional Incentive Program functionality, supporting application creation, renewal, save and resume. |
| May 20, 2017 | Adding User Entitlements | Using the User Administration function, authorized individuals can manage Risk Management Tools, Asset Management, Settlement Firm. |

| Date | Topic | Description |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| February 12, 2017 | Managing Incentive Programs | Enhanced Incentive Program page, with additional search and filter options, including the ability to export the program list. |
| December 2, 2016 | Adding User Entitlements Adding Customer Center User | Enhanced user administration process enables adding an application administrator, with entitlements of the admin manager. |
| December 2, 2106 | Managing Incentive Programs | <p>Authorized individuals can manage incentive programs in which they are enrolled, including the ability to:</p> <ul style="list-style-type: none"> • Filter Program List. • Export Program list to Excel format. • Renew Incentive Programs. • View Performance and Incentive Accounts. |
| October 29, 2016 | Viewing Incentive Programs | Authorized individuals can view incentive programs in which they are enrolled. |
| August 4, 2016 | Adding User Entitlements | Added User Administration - Positions instructions. |
| July 17, 2016 | Adding User Entitlements | Added User Administration - Deliveries instructions. |
| July 6, 2016 | <u>Accessing CME Customer Center</u> Customer Center Menu <u>Managing User Entitlements</u> | References to the SMART Click service has been changed to CME Group Login. |
| July 6, 2016 | <u>User Administration</u> <u>Managing User Entitlements</u> | Added Entitlements by Application, which describes profile and scope by self-service application. Revised Add / Modify / Revoke entitlement procedures. |
| June 4, 2016 | <u>iLink Sessions</u> | new self-service functionality for creating and managing iLink sessions. |
| April 22, 2016 | <u>User Administration</u> | general update for administration topics. |
| January 23, 2016 | All | This is the initial release of the CME Customer Center user manual. |

Accessing CME Customer Center

A valid **CME Group Login** is required to access applications and services. CME Group Login is a self-managed, centralized user profile service that authenticates access to CME Group applications and services.

- [CME Group Login webpage](#)
- [CME Group Login User Help](#) - Instructions for using and managing a login and profile.
- [CME Group Login User Profile](#) - Login, Contact Information, Password, Security Questions (User icon (User icon) > **My Profile**),
- [Secure File Transfer](#) - Access a file transfer service to securely transfer data to / from CME Group and customers.
- Customize CME Customer Center settings and marketing subscriptions (User icon (User icon) > **My Preferences**).

Registering for Self-Service

► [To register for a CME Group Login:](#)

Prior to logging in and operating application features, ensure the following is completed:

- **Futures and Options:** A firm officer has signed the [CME Customer Center Self Service Agreement](#) (form - s).
- **BrokerTec / EBS:** Customer has a valid CME Customer Center Self-Service Form on file; for existing customers adding services.

The Self-Service agreement / form is available from [Global Account Management \(GAM\)](#).

- [CME Group Login user ID](#) and profile has been created.
 - To complete setup, some applications may require generation of multi-factor authentication / [token](#); including admin manager notification to continue application set up.
 - To complete application setup, provide the CME Group Login ID and token to your firm administrator.



Note: CME Group or your application administrator will never ask for your password.

- CME Customer Center [access](#) has been authorized and entitlements assigned to the Designated Person / Operations Contact (BrokerTec / EBS), Entity Officer / Admin Manager (Futures & Options).

Logging In and Out

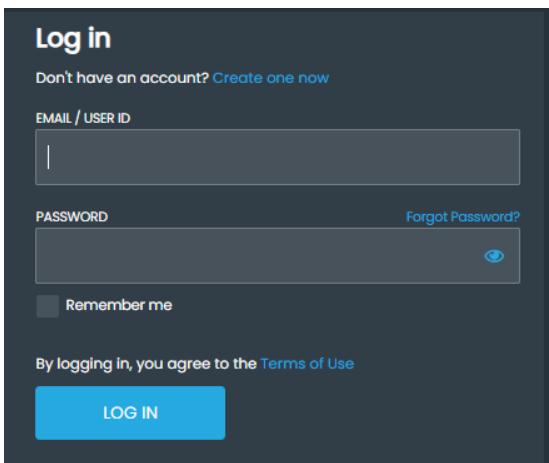
CME Group recommends using a recent version of [supported browsers](#) to use applications.

► [To access CME Customer Center:](#)

1. Go to <https://login.cmegroup.com/sso/ssologin.action>.
OR
Go to <https://www.cmegroup.com>, then click the **LOG IN** button.



2. On the *Log In* page, enter your Email and password, then click **LOG IN**.



The image shows the 'Log in' page of the CME Customer Center. It features a dark grey header with the word 'Log in' in white. Below the header, there is a message 'Don't have an account? [Create one now](#)'. The main form area has 'EMAIL / USER ID' and 'PASSWORD' fields with placeholder text. To the right of the password field is a 'Forgot Password?' link and an 'Eye' icon for password visibility. Below the fields is a 'Remember me' checkbox and a link 'By logging in, you agree to the [Terms of Use](#)'. At the bottom is a large blue 'LOG IN' button.

3. Authenticate your ID:

Via [Duo](#).

OR

Enter the code that was sent to your mobile device or voice code from an automated call to your primary phone number (US only).

Note: For additional information about creating or managing a CME Group Login, or using multi-factor authentication, please review the [CME Group Login User Help System](#).

A user is logged in for up to one week, until browser cache is cleared or accessing CME Customer Center from a new device.

4. Select the requested application or function from the CME Customer Center menu.



Note: Login can be attempted up to five times before an account is locked. If an account is locked it will be unlocked automatically after three hours. To unlock the password, without requiring a password change, contact [EASE](#).

 [To Logout:](#)

Select the User icon () and then select **Logout**.

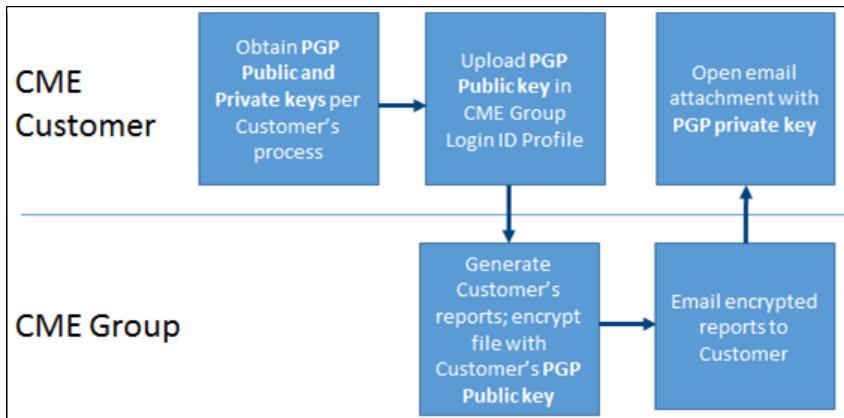
PGP Key Management for Emailed Reports

CME Group's information security policy requires that electronic transmission of trade information or other sensitive data via email attachments must be encrypted. To do this, customers must acquire a PGP (Pretty Good Privacy) key and share the PGP public key via their CME Group Login profile.

The following procedures illustrate the process to upload and manage PGP public keys which are used to view encrypted reports,

To manage PGP keys for SFTP refer to Secure File Transfer - [Adding PGP Encryption](#).

PGP Process:



Uploading PGP Public Key

Use either your Information Technology (IT) department guidelines, or another standard process / tool to generate PGP key pairs. The following instructions are for uploading the PGP public key that will be used for CME Group purposes.

To Upload PGP Public Key:

1. View the contents of your PGP public key. Example:

The screenshot shows a Notepad window with the file name '2382C1303B80DACP89468642BF7DA0AA4A59427.asc'. The content of the file is a PGP public key block, starting with '-----BEGIN PGP PUBLIC KEYBLOCK-----' and ending with '-----END PGP PUBLIC KEYBLOCK-----'. The key itself is a long string of characters.

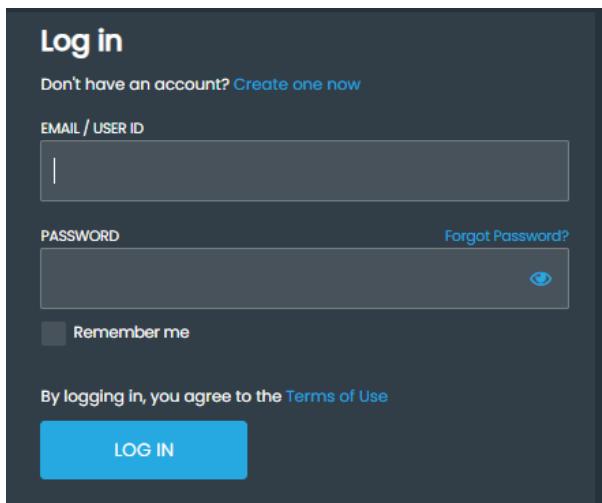
```

-----BEGIN PGP PUBLIC KEYBLOCK-----
Version: GnuPG v2

mQENBFk62bcBCAC+y39HrQk8QYVa5yqll0qkB2BDI/rVK/ijUlps7i7j8xQZhDF
SuolY8gtBVyBVbYTK4BHRUbRYx107pzd6Bf+yHdVpJmPg/+BdK20RZeeGLBwKO
pNplGHvATCqkYqH3jAEa2kwsOV9e+u4M4AQShXA2w0Vc8hJfebtKiyipMBUu189
3491ra9amLlc7liukv5uXqI+VvEX* zvarSill 7m8jxMzrP9ebnyTae7mnRFK
-----END PGP PUBLIC KEYBLOCK-----

```

2. Use the keyboard combination CTRL+A to select all contents of the file and use CTRL+C to copy.
3. Use your CME Group Login to manage your PGP key.
 - a. From a [supported browser](#), go to <https://login.cmegroup.com>.
 - b. Enter the User ID and password, then select Log In. Use the appropriate links if you have forgotten your credentials.



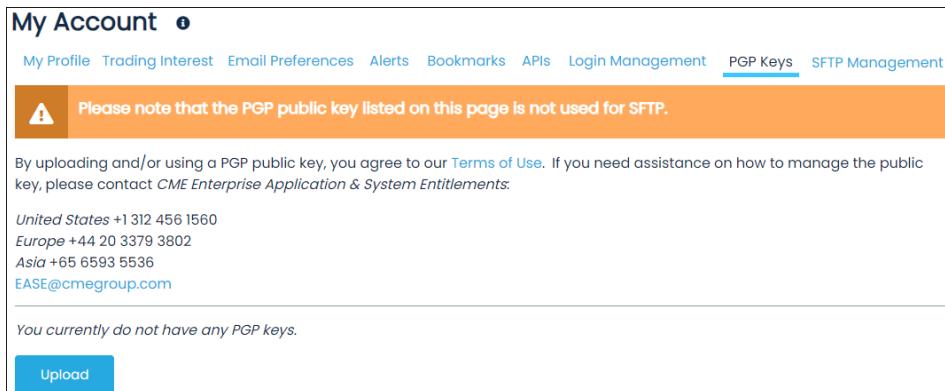
The image shows the 'Log in' page of the CME Customer Center. It features a dark header with the word 'Log in' in white. Below the header, there is a message 'Don't have an account? [Create one now](#)'. The main area contains fields for 'EMAIL / USER ID' and 'PASSWORD', both with placeholder text. To the right of the password field is a 'Forgot Password?' link and an 'Eye' icon for password visibility. Below these fields is a 'Remember me' checkbox. A note at the bottom states 'By logging in, you agree to the [Terms of Use](#)'. At the bottom of the page is a large blue 'LOG IN' button.

- c. Select the User icon; select **My Profile**.



The image shows a user menu interface. At the top, there are tabs for 'ADMINISTRATION' and 'DEFAULT'. To the right of these tabs are icons for a bell and a user profile, with a yellow arrow pointing to the user profile icon. The main menu area contains several options: 'User Name (User ID)', 'My Profile' (which is highlighted with a yellow box), 'My Preferences', and 'Logout'.

- d. Select **PGP Keys** tab from the menu, then select **Upload**.



The image shows the 'My Account' page with the 'PGP Keys' tab selected. At the top, there is a navigation bar with links: 'My Profile', 'Trading Interest', 'Email Preferences', 'Alerts', 'Bookmarks', 'APIs', 'Login Management', 'PGP Keys' (which is underlined and highlighted in blue), and 'SFTP Management'. Below the navigation bar, a yellow banner displays a warning: 'Please note that the PGP public key listed on this page is not used for SFTP.' The main content area contains text about public key usage and contact information for United States, Europe, and Asia. It also states 'You currently do not have any PGP keys.' and features a blue 'Upload' button.

- e. Select the Add PGP Public Key field and enter or paste the key; then select **Save**.

My Account 

My Profile Email Preferences Trading Interest Alerts Bookmarks APIs CME Group Login Management **PGP Keys**

⚠ Please note that the PGP public key listed on this page is not used for SFTP.

By uploading and/or using a PGP public key, you agree to our [Terms of Use](#). If you need assistance on how to manage the public key, please contact [CME Enterprise Application & System Entitlements](#).

United States +1 312 456 1560
Europe +44 20 3379 3802
Asia +65 6593 5536
EASE@cme.com

PGP Public Key

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
sample
-----END PGP PUBLIC KEY BLOCK-----
```

[Cancel](#) [Save](#)

A security code is sent to the mobile phone number (multi-factor registered device) registered to the Profile.

- f. Enter the code, then select **Submit**.

My Account 

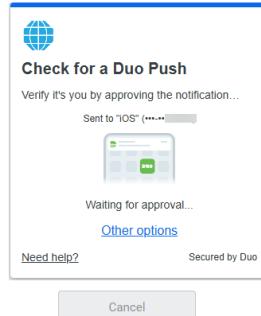
My Profile Trading Interest Email Preferences Alerts Bookmarks APIs Login Management **PGP Keys**

⚠ Please note that the PGP public key listed on this page is not used for SFTP.

By uploading and/or using a PGP public key, you agree to our [Terms of Use](#). If you need assistance on how to manage the public key, please contact [CME Enterprise Application & System Entitlements](#).

United States +1 312 456 1560
Europe +44 20 3379 3802
Asia +65 6593 5536
EASE@cme.com

Please confirm your identity before proceeding with the upload.



Check for a Duo Push
Verify it's you by approving the notification...
Sent to "iOS" 
Waiting for approval...
[Other options](#)
[Need help?](#) [Secured by Duo](#)

[Cancel](#)

A confirmation page appears and the PGP public key is added to your CME Group Login profile. After system setup with the PGP key, you can receive CME Group encrypted reports.



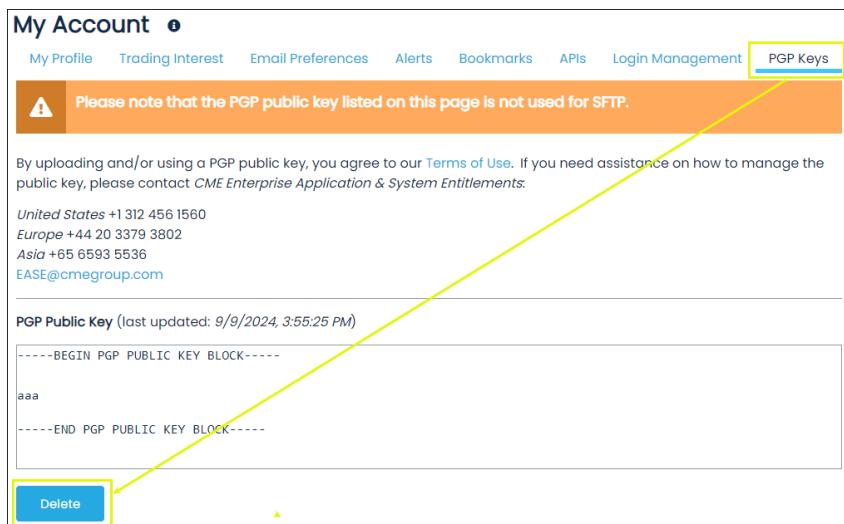
Note: A matching PGP key pair and associated password decrypt files that used the key pair for encryption. Only one PGP public key can be entered in the CME Group Login ID profile at any time. If you change your CME Group Login ID profile's PGP public key, you will no longer be able to open files that were encrypted with a previous PGP key pair.

Deleting PGP Public Key

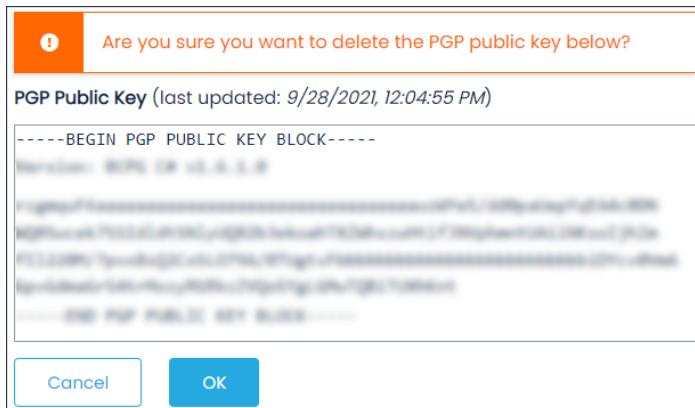
For assistance on managing PGP Encryption from CME Group Login, please contact [Enterprise Application & System Entitlements \(EASE\)](#).

► To Delete PGP Public Key:

1. From the PGP Keys tab, select the **Delete** icon.



2. A confirmation dialog appear, to delete, select **OK**.



Secure File Transfer Configuration

CME Group offers Secure File Transfer Protocol (SFTP) to securely transfer and view data.

SFTP is a secure, distributed file transfer service that uses SSH authentication and (optional) PGP and public / private key encryption to secure data within directories.

Firm designated Back Office Admin Managers are responsible for managing user access by registering their entity for SFTP access and managing application permissions for individuals that will send / receive files.

Use the below instructions to [request](#) access, [manage](#) SFTP user access and [view](#) data.

Note: This SFTP service is used only for BrokerTec and EBS trade data files. Clearing and [SPAN](#) file downloads are available from the dedicated [Clearing SFTP Server](#).

- [Request SFTP Access](#)
- [Access SFTP Management](#)
- [Assign User Permission](#)
- [Creating SFTP ID](#)
- [Claiming SFTP ID](#)
- [Accessing SFTP Data and Reports](#)
- [Inbound Public SFTP Keys](#)

Request SFTP Access

Prior to requesting entitlements or assigning permissions to access SFTP information, users must have a valid [CME Group Login](#); and activation [token](#). The CME Group Login is required for registration forms and [SFTP ID](#) assignment.

- **Futures & Options:** To request a SFTP ID or install a public key, contact [CME Clearing Services](#).
- **BrokerTec/ EBS:**

- a. Entity registers for SFTP and designates a Back-Office Admin Manager to:

Request Post Trade report access by submitting a [SFTP Production Registration form](#).

Request Billing Group report access by submitting a [BrokerTec Billing Group SFTP Production Registration Form](#).

- b. CME Group creates a SFTP master account for the entity, then notifies the requestor.

- c. The Back-Office Admin Manager, accesses SFTP Management to [authorize](#) additional users at their firm to create and manage SFTP ID access.
- d. Authorized users can add a [SSH Key](#) to login to SFTP; instead of using a password.
- e. Optional, [PGP](#) is available for symmetric and asymmetric file encryption before and after transfer.
- f. After setup and user entitlement assignment, authorized users can receive / review report details via [EREP](#) / [SFTP](#) (as applicable).

1 **Note:** [Receiving and Sending Encrypted Files](#)

- To receive encrypted files from CME Group, an authorized user can create a PGP public key for the SFTP ID.
- To send encrypted files to CME Group, an authorized user can download the [CME Group PGP Public Key](#) for encryption.

1 See also: [BrokerTec Reporting](#) guide (portal access is required).

EBS Report Setup

To request EBS report access:

- a. **CME Group Login:** Users must [create](#) or use an [existing](#) CME Group Login to register for EBS reporting services and application access to [EREP](#) / [SFTP](#) / [Request Center \(ESS\)](#).

For application access requests, users (including back-office admin managers) provide their CME Group Login ID and secure [token](#) to their entity administrator.

1 **Note:** CME Group or entity administrators will never ask for your password.

- b. **Contact Global Account Management (GAM):** CME Group offers a suite of tools to help customers manage registration and on-boarding to applications and services. To get started with self-service solutions and obtain the CME Customer Center Self-Service form, contact [GAM](#).

- For an overview of EBS services, including onboarding, reporting services and registration forms, refer to the [EBS Operational Readiness Guide](#) and [Applications and Services](#).

- c. **Submit Self-Service Form:** Submit the completed CME Customer Center [Self-Service](#) form to GAM.

1 See also: [CME Customer Center Self-Service Overview](#)

The self-service form is completed by the Entity Officer who identifies back office admin manager(s) that are responsible for:

- System administration
- Assigning user entitlements
- EREP/SFTP application configuration
- Approving self-service requests submitted by entity users
- Submitting EREP/SFTP report registration forms

- d. **Submit EBS EREP and SFTP Report and Billing Registration Form(s):**

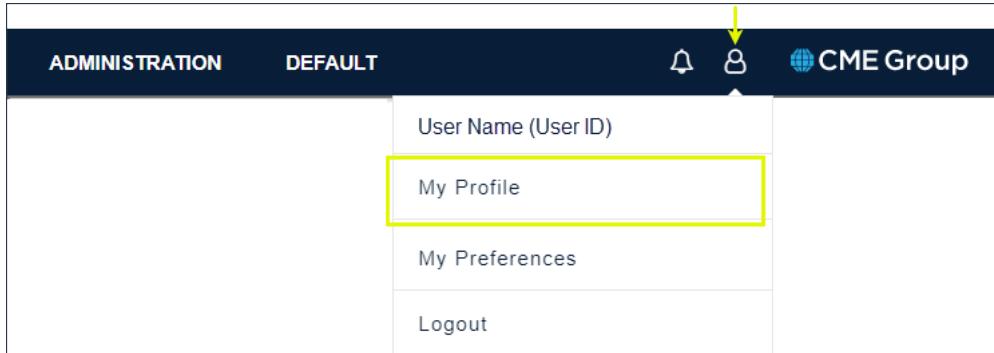
- [EBS Standard Report EREP Registration form](#): Request access to a standard set of reports, including: EBS EFIX, EBS Operations and EBS Spot & Metals.
 - [EBS Credit Report EREP Registration form](#)
 - [EBS Regulatory Report EREP Registration form](#)
 - [EBS Session Report EREP Registration form](#)

- [EBS Billing Report EREP Registration form](#)
- [EBS SFTP Production Registration form - Institution Report](#)
- [EBS Institutional Report EREP Registration Form](#): Request access to institutional reports for spot and metals, billing and credit
- [EBS SFTP Post Trade Registration form - Production](#)

For additional setup details, including reports associated with each form, refer to [EBS Reporting](#)

Access SFTP Management

1. Select the **Usericon > My Profile**.



2. From the **My Account** menu, select **SFTP Management**.

Note: The availability of this page is determined by assigned user entitlements.

| My Account | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|-------------------------------|-----------|------|----------|
| My Profile | Trading Interest | Email Preferences | Alerts | Bookmarks | APIs | PGP Keys |
| SFTP Management | | | | | | |
| By creating and/or using an SFTP ID, you agree to our Terms of Use . | | | | | | |
| My SFTP IDs Show <input style="border: 1px solid #ccc; padding: 2px 5px;" type="button" value="10"/> entries <input style="width: 150px; margin-left: 10px;" type="text"/> Search <input style="width: 150px; margin-left: 10px;" type="text"/> | | | | | | |
| SFTP ID | Account Type | Entity | Status | Actions | | |
| FTP_FIRM1111 | Billing Group - US | N/A (BTEC1111) | Active | | | |
| FTP_FIRM2222 | Billing Group - US | N/A (BTEC2222) | Active | | | |
| << << Prev 1 of 1 Next > >> | | | | | | |
| Create SFTP ID | | | Claim SFTP ID | | | |

| Authorized SFTP Users | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------|
| Show <input style="width: 20px; height: 15px;" type="button" value="10"/> entries | Search <input type="text"/> | |
| User ID | Accounts | Actions |
| ONE, USER (FIRM) | Account Type: EBS Billing Session Report Entity: ClearCo ✖ | ✖ |
| TWO, USER (FIRM2) | Account Type: EBS Billing Session Report Entity: ClearCo ✖ | ✖ |
| « « Prev 1 of 1 Next » » | | |
| Permission New User | | |

- a. View Details
- b. Remove Account Access
- c. Remove All Access
- d. Permission New User

Assign User Permission

Before users can manage SFTP functions, a Back Office Admin Manager must assign permissions to create and manage SFTP IDs.

Prior to adding a new user, request their [CME Group Login ID](#) and token, which is used to identify the user.

1. Navigate to the **SFTP Management** function.
2. From the SFTP Management page, select **Permission New User**.
3. From the **Permissions User for SFTP ID Creation** screen, specify user information.
 - **User:** Users must have a valid CME Group Login and token
To obtain a temporary token, users must access CME Group Login > My Profile to generate a token, then provide to the AM.
 - **Account Type:** Clearing, Regulatory, Trade Repository, Billing Group, etc
 - **Entity:** Assigns SFTP management permission to the specified entity and account combination.
4. To finalize permission assignment, select **Submit**, then confirm the **password** dialog (to validate your entitlement to assign this permission).

Creating SFTP ID

The following procedures illustrate the process to create a SFTP ID for a given entity, account type and account and appears for users [authorized](#) by the firm's back office admin manager to create and manage SFTP IDs.

1. From the My SFTP IDs screen, select **Create SFTP ID**.

My Account 

My Profile Trading Interest Email Preferences Alerts Bookmarks APIs PGP Keys **SFTP Management**

SFTP Management

By creating and/or using an SFTP ID, you agree to our [Terms of Use](#).

My SFTP IDs

Show entries Search

| SFTP ID | Account Type | Entity | Status | Actions |
|--------------|--------------------|----------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FTP_FIRM1111 | Billing Group - US | N/A (BTEC1111) | Active |    |
| FTP_FIRM2222 | Billing Group - US | N/A (BTEC2222) | Active |    |

2. On the screen that appears, specify SFTP ID Details.

• **Account Details**

Create New SFTP ID 

Account Details

Account Type

Entity

Account Name

Authentication Details

I Want To Use An SSH Key
 Yes No

- **Account Type:** Select Clearing, Regulatory, Trade Repository, Billing Group, Owner Group, etc
- **Entity**
- **Account Name:** Up to 50 alphanumeric (A to Z, and 0 to 9) characters and unique at the entity
- **Authentication Details:** **Yes** (specify SSH public key) or **No** (specify [PGP](#) public key)

Set up SSH Authentication from My Account page

The following instructions illustrate the process to add Secure Shell Key (SSH) for SFTP ID authentication. SSH authentication provides enhanced security for files transfers that currently use default User ID and Password authentication.

1. Select the **User** icon > **My Profile**.



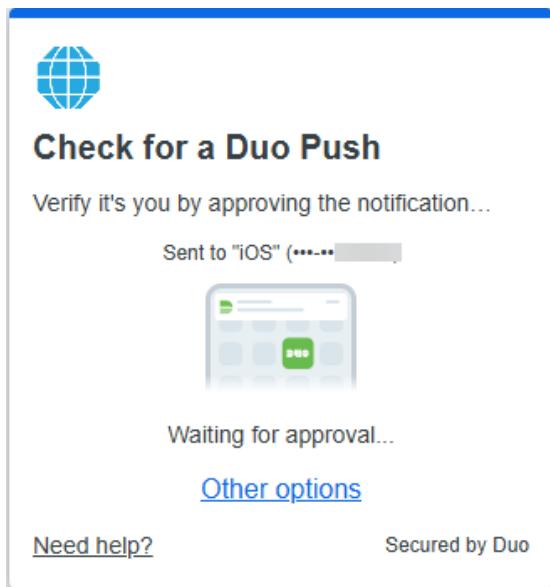
2. From the **My Account** menu, select **SFTP Management**.

| SFTP ID | Account Type | Entity | Status | Actions |
|--------------|--------------------|----------------|--------|---------|
| FTP_FIRM1111 | Billing Group - US | N/A (BTEC1111) | Active | |
| FTP_FIRM2222 | Billing Group - US | N/A (BTEC2222) | Active | |

3. In the **Actions** column, select the **SSH** icon () for the SFTP ID to manage.
 4. On the dialog that appears enter a valid (RFC4716 format) **SSH Public Key**, then select **Submit**.

A security code is sent to the mobile phone registered to the Profile.

5. Verify the [multi-factor](#) push on the mobile device.



Set up PGP Encryption from My Account page

The following instructions illustrate the process to create then enable a PGP Key for encryption. PGP encryption provides enhanced security for file transfers that currently use default User ID and Password authentication.

The key is used to encrypt files prior to sending to CME Group but is not uploaded as the encryption key for the SFTP ID.

1. Select the **User** icon > **My Profile**.

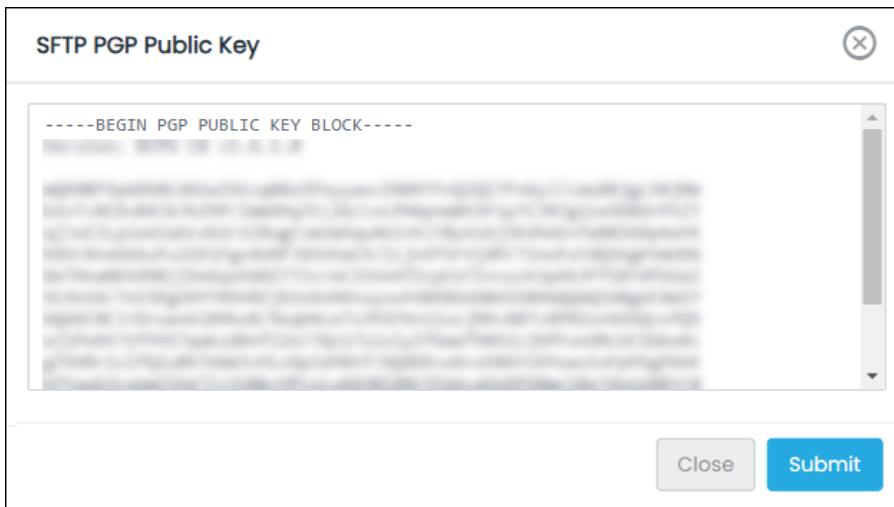


2. From the **My Account** menu, select **SFTP Management**.

3. In the **Actions** column, select the PGP icon (PGP) for the SFTP ID to manage.

This PGP key is used for the user created SFTP ID to enable encryption.

4. On the dialog that appears enter a valid **PGP Public Key**, then select **Submit**.



Note: To remove / clear the PGP public key, select **Delete**. A confirmation message confirms the deletion.

 **SSH Public key was successfully deleted for SFTP ID: ~~FTP_NR_TEST~~**

5. Select **Submit**.

The PGP key is enabled after SFTP ID creation.

Claiming SFTP ID

Use the Claim SFTP ID function when the user that manages a SFTP ID is no longer with a firm but data is sent / received via the ID.

Prior to claiming a SFTP ID, ensure the claiming user is associated with same entity as the ID as the AM or authorized user.

 Note: To assign permissions to claim a SFTP ID, view **Manage User Permissions**.

To Claim a SFTP ID:

1. From the My SFTP IDs screen, select **Claim SFTP ID**.

2. On the screen that appears enter the **SFTP ID** to claim and associated **Password**, then select **Submit**.

A confirmation dialog appears, indicating success or failure.

Access SFTP Data and Reports

Using SFTP, you can connect to CME Group systems to send and receive files, using an application enabled for ssh encrypted login.

Public / private key authentication is allowed to secure connections, using SSH public key file format (RFC4716).

► To establish a connection and access files:

1. Using the password or SSH authentication, log in to access CME Group directories (incoming / outgoing):

Futures & Options / BrokerTec / EBS: Production access via internet

- Address: sftp.cmegroup.com
- For firms/users accessing the Google Cloud secure repository: sftp.x.cmegroup.com (starting January 2026)



Note: Affected users will be notified by CME Group to access reports via this location.

- IP address: 205.209.196.150
- Port: 22

Futures & Options: Production access via leased line WAN

- Address: sftp.cmegroup.com
- WAN CDN connection VPN IP address: 167.204.72.96

- WAN Futures &Options: 167.204.41.34
- Port: 22

BrokerTec: Production access via leased line WAN

- Address: sftp.cmegroup.com
- WAN CDN connection VPN IP address: 167.204.72.96
- Port: 22

EBS: Production access via leased line WAN

- Address: sftp.cmegroup.com
- IP address: 167.204.72.206
- Port: 22

2. After successful login, the root directory appears with default directories to access files.

Directory paths are case sensitive and must be entered exactly as indicated.

Folders and directory path are available as described below:

- incoming: Confidential data files submitted by firms. Firms upload files as required by CME Group.
- outgoing: Confidential files, from CME Group, for firms to download and review or complete.
- pub: A file folder that can be setup with subdirectories to send and receive files.

► **Sample report filenames:**

BrokerTec

- BTEC111_IDY.[Business_Date].BTEU.[GFID].[master account].csv
- BTEC111_EOD.[Business_Date].BTEU.[GFID].[master account].csv

EBS: End of Day report format

EREP

- CEOD200_EBS_(GFID)_yyyy-mmm-dd.csv

Info In this example [CEOD200](#) is the EOD Client Order Events - EBS Market - Daily Report, which is available via EREP.

- CEOD200_EBS_(GFID)_yyyy-mmm-dd.csv

SFTP

- CEOD200_(yyyymmdd).EBS.(GFID).OG_(CID).csv

Info In this example [CEOD200](#) is the EOD Client Order Events - EBS Market - Regulatory - Daily Report, which is available via SFTP.

- CEOD200_(yyyymmdd).EBS.(GFID).OG_(CID).csv

Reports are updated at:

US

- 9:00 AM CT
- Intraday: every hour
- 4:30 PM CT

► **Inbound Public SFTP Keys**

This PGP public key is used by the customer to encrypt files before sending to CME Group.

To encrypt your files before uploading to CME SFTP, use the following key:

- **Production Environment**

https://www.cmegroup.com/content/dam/cmegroup/misc/sftp-key/CMEGroup_PROD_PGP_pubkey.asc

SFTP Support - BrokerTec / EBS

Where can I find reports / I'm not seeing reports?

Reports are available in the outgoing folder of the SFTP instance, which is available after successful login. (see: [Accessing SFTP Data and Reports](#))

If the expected reports are not appearing in the outgoing folder contact the [Global Command Center \(GCC\)](#).

I would like to update PGP settings for my reports, who do I contact?

PGP for your SFTP account are maintained by customers via a [self-service](#) function.

If required, please work with your [Global Account Manager](#) who can provide further assistance with PGP setup.

Does CME Group Whitelist IP Addresses for SFTP?

No, CME Group does not whitelist IP Addresses for SFTP.

Who creates the SFTP Account / ID?

A firm backoffice admin manager designates SFTP account users (complete SFTP registration)

(See: [Request SFTP access / Creating SFTP ID](#))

How does a firm obtain their SFTP ID and password?

Firm designated SFTP account users maintain their ID and password via the SFTP Management screen; Customer Center menu > My Profile. (See: [Access SFTP Management](#))

Does CME Group provide SFTP IDs and Passwords?

No, account credentials are maintained by firm designated SFTP Account Users.

User profiles are accessible with a [CME Group Login](#) that has been assigned [permission](#) to access SFTP functions.

We would like to use SSH Keys for authentication, does CME Group allow the SSH Keys for SFTP?

Yes, the SSH Key can be uploaded by the firms designated SFTP Account User via the SFTP Management screen; Customer Center menu > My Profile. (See: [Set up SSH Authentication from My Account page](#)).

API ID Management

The API ID Management functionality is used to [create](#) and [manage](#) IDs that are used to authenticate system-to-system communication to CME Group applications, via API interface.

API authentication options: [Basic Auth](#) and [OAuth](#).

To gain access or update permissions, contact [Enterprise Application & System Entitlements \(EASE\)](#).

Creating an API ID

[Create API ID](#)

► [To Create an API ID:](#)

- From the CME Customer Center menu, select the **User (👤)** icon; select **My Profile**.



- From the Profile page, select **API Management**.

My Account ⓘ

My Profile Email Preferences Alerts Bookmarks APIs CME Group Login Management PGP Keys

By creating and/or using an API ID, you agree to our [Terms of Use](#).

What are API IDs?

API IDs are machine to machine IDs used for communication in CME Group applications that support an application programming interface to pass information.

In order to have an ID to gain access to an API application, please contact *CME Enterprise Application & System Entitlements*.

United States +1 312 456 1560
 Europe +44 20 3379 3802
 Asia +65 6593 5536
 EASE@cme-group.com

Show 10 entries

Search

| API ID | Status | Auth Type | Application | Role | Scope |
|----------|---------|------------|-------------|------|-------|
| API_TEST | Enabled | Basic Auth | | | |

« « Prev 1 of 1 Next » »

Create API ID Claim API ID

- Select **Create API ID**, then select the **Type**: (Basic or OAuth).

Create an API ID

Type ⓘ

Basic Auth

OAuth

API ID

api_pw_generated

Generate Password

Cancel Create API ID

API IDs must be unique at the firm level.

A. Create a Basic Auth API

- Select *Basic Auth* then provide the following information. To confirm the authentication type refer to the applicable API message specification.

API ID: The API ID is required, case sensitive, must begin with the prefix *API_* and must not already be registered to another customer. It does not need to be the same as the CME Group Login. An API ID that is not used for several months is automatically deleted.

Create an API ID

Type ?

Basic Auth

OAuth

API ID

api_-

Cancel Create API ID

- ii. Select **Create API ID**.

A banner indicates successful creation and system generated password, that complies with CME Group security requirements, appears.

 button above and store it securely before closing this window.' and a 'Close' button at the bottom right."/>

Create an API ID

✓ api_test31425 is created successfully.

Type ?

Basic Auth

OAuth

API ID

api_test31425

Password

CMEgroup1234567890_123456

Please copy your password with the button above and store it securely before closing this window.

Close

- iii. (required) Use the Copy () function to use the password for system setup and copy to a secure location.

B. Create an OAuth API

- i. Select OAuth and provide information in the fields. Please refer to the applicable API message specification, on the [CME Group Client Systems wiki](#), to confirm the necessary authentication type.
- **API ID:** The API ID is required, case sensitive, must begin with the prefix *API_* and must not already be registered to another customer. It does not need to be the same as the CME Group Login. An API ID that is not used for several months is automatically deleted.

Note: OAuth API IDs are case sensitive.

- ii. Select **Create API ID**.

A banner indicates successful creation and system generated password, that complies with CME Group security requirements, appears.

Create an API ID

✓ api_test31425aa is created successfully.

Type ?
 Basic Auth
 OAuth

API ID (OAuth API ID is Case Sensitive)

Password
 

Please copy your password with the  button above and store it securely before closing this window.

Close

- iii. (required) Use the Copy () function to use the password for system setup and copy to a secure location.
 After successful setup, a confirmation message appears and the API ID appears in the table.

api_pw_generated2 is created successfully. Important: OAuth API ID is case sensitive.

Show 10 entries  Search

| API ID | Status | Auth Type | Application | Role | Scope |
|-------------------|----------|------------|-------------|------|-------|
| API_12345 | Disabled | Basic Auth | | | |
| API_258 | Disabled | Basic Auth | | | |
| API_PW_GENERATED2 | Enabled | Basic Auth | | | |

Managing API IDs

On the API Management page, authorized users can view the Scope, generate passwords and convert basic API authentication to OAuth method.

Select the API ID to Claim, convert authentication from Basic to OAuth, generate a new password.

Show 10 entries  Search

| API ID | Status | Auth Type | Application | Role | Scope |
|-------------------|----------|------------|-------------|------|-------|
| API_12345 | Disabled | Basic Auth | | | |
| API_258 | Disabled | Basic Auth | | | |
| API_PW_GENERATED2 | Enabled | Basic Auth | | | |

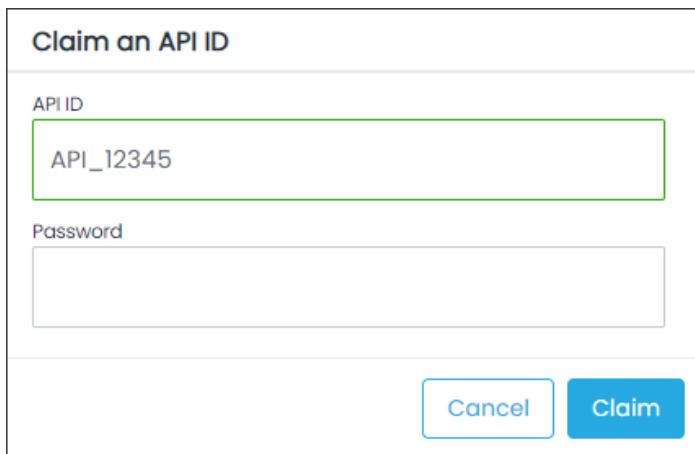
   

Claim API ID

 **To Claim an API ID:**

Claiming an API ID makes an association with the currently logged in user. An API ID can only be associated with one login profile.

1. From the API Management page select **Claim API ID**.
2. On the screen that appears, enter:
 - **API ID:** The API ID must begin with the prefix *API_*.
 - **Password:** Enter the password associated with the API ID being claimed.



The form is titled 'Claim an API ID'. It has two input fields: 'API ID' containing 'API_12345' and 'Password' (empty). At the bottom are 'Cancel' and 'Claim' buttons.

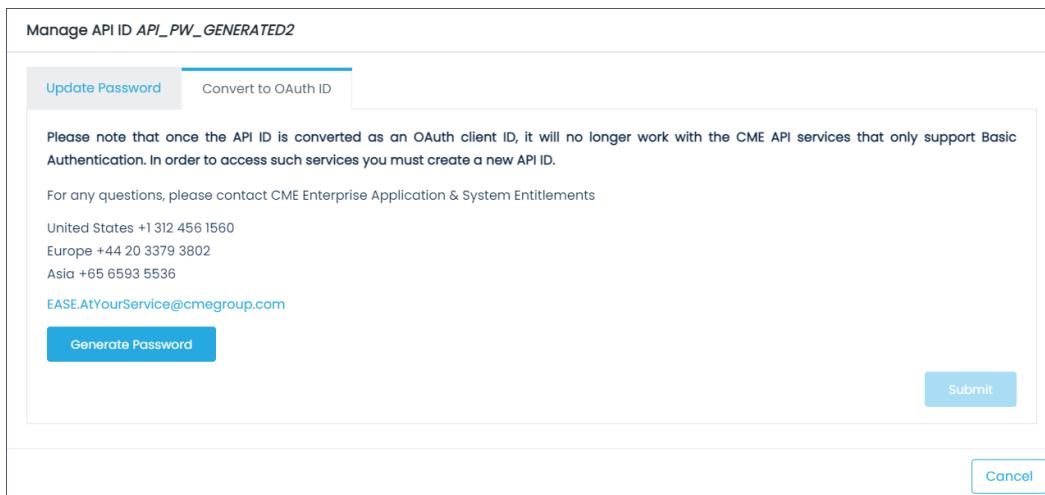
3. Select **Claim**.

The API ID is validated and, if authorized, added to the table.

Convert API ID from Basic to OAuth

► To Convert an API Authentication from Basic to OAuth:

1. From the API Management page, select an **API ID** with Basic authentication.
- The Manage API ID screen appears.
2. Select the tab **Convert to OAuth ID**.
3. Select **Generate Password**, then **Copy** the password to a secure location.
4. Select **Submit**. Once the API ID is converted as an OAuth client ID, it will no longer work with the CME API services that only support Basic Authentication.



The form is titled 'Manage API ID API_PW_GENERATED2'. It has tabs for 'Update Password' (selected) and 'Convert to OAuth ID'. A note says: 'Please note that once the API ID is converted as an OAuth client ID, it will no longer work with the CME API services that only support Basic Authentication. In order to access such services you must create a new API ID.' Below are contact details and a 'Generate Password' button. At the bottom are 'Submit' and 'Cancel' buttons.

A security code is sent to the mobile phone number registered to the Profile.

5. Enter the code, then select **Submit**.

Manage API ID API_PW_GENERATED2

✓
The password is copied successfully to clipboard
✖

Please note that once the API ID is converted as an OAuth client ID, it will no longer work with the CME API services that only support Basic Authentication. In order to access such services you must create a new API ID.

For any questions, please contact CME Enterprise Application & System Entitlements

United States +1 312 456 1560
 Europe +44 20 3379 3802
 Asia +65 6593 5536

EASE.AtYourService@cme.com

Please confirm your identity before proceeding.



[What is this? ⓘ](#)

[Need help? ⓘ](#)

Device: iOS XXXX-XXX

Choose an authentication method

Duo Push Use automatically Send Me a Push

Passcode Enter a Passcode

Pushed a login request to your device...

A confirmation message indicates successful conversion to OAuth.

Update API ID Password

► To Update an API ID Password:

1. From the API Management table, select the **API ID** to manage.
2. Select the **Update Password** tab, then select **Generate Password**.

Manage API ID API_PW_GENERATED2

Update Password
Convert to OAuth ID

Generate Password

Submit

3. **Copy** the password and store in a secure location, then select **Submit**.

Manage API ID *API_PW_GENERATED2*

 The password is copied successfully to clipboard 

Generate Password

>Password



Please copy your password with the  button above and store it securely to proceed

Submit

4. Confirm your identity by entering the code that was sent to the mobile phone number registered to the Profile, then select **Submit**.

Manage API ID **API_TEST**

Update Password Convert to OAuth ID

Please confirm your identity before proceeding.



Device: iOS (XXX-XXX)

Choose an authentication method

Duo Push Used automatically Send Me a Push

Passcode Enter a Passcode

[What is this? ⓘ](#)

[Need help?](#)

Pushed a login request to your device... Cancel

Cancel

Request Center (ESS)

The Request Center Enterprise Self-Service (ESS) is a suite of self-service functions for managing CME Globex entity requests and configurations.

Prior to using Request Center (ESS) functions, ensure the following is available:

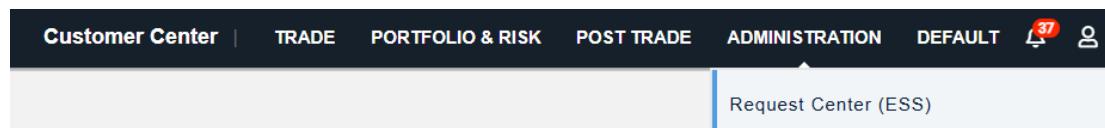
- Create new or use existing [CME Group Login ID](#) - required to access forms, services, authenticate access application access
 - Request [BrokerTec Support Portal](#) access - required to access technical content for BrokerTec business solutions and services
 - Setup a [network connection](#) and company details for the CME Globex New Release Environment - For testing and certification of API connections and trading systems
 - Submit [Market Data](#) Order form
 - Set up a network connection to the Production Environment for CME Globex - Futures & Options, BrokerTec, EBS mar-

kets

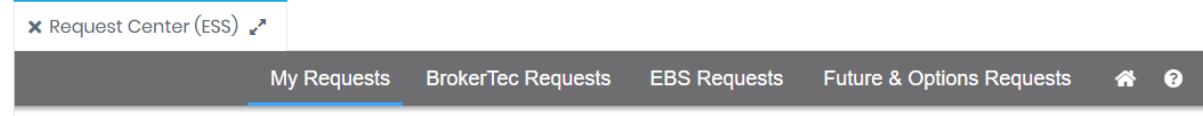
- Submit CME Customer Center [Self-Service](#) Agreement / Form; to authorize Admin Managers. To access BrokerTec functions, customer entities must have a signed CME Customer Center self service agreement / form on file.
- For certain BrokerTec and EBS entities, ensure the Legal Entity Identifier (LEI), person / algo trader's Personally Identifiable Information (PII) and Algorithmic system details are registered to the BrokerTec / EBS Upload Facility,

► **To access the Request Center (ESS):**

From the CME Customer Center - Administration menu, select **Request Center (ESS)**.



From the Request Center (ESS) toolbar, select **Futures and Options Requests / BrokerTec Requests / EBS Requests**.



Help icon: (?) View an instructional user manual.

Features

- [My Requests](#)
- [Preferences](#)
 - [Clearing Firms](#)
 - [Front-End Systems](#)
 - [Permissions](#)
- [Futures & Options Requests](#)
- [BrokerTec Requests](#)
- [EBS Requests](#)

My Requests

My Requests: Appears after logging in and selecting **Request Center (ESS)** from the Customer Center menu.



- **Request Status:** View Submitted / In-Progress requests or approve / reject requests submitted by other entity users. To view additional details, select from the list.

Request Status Approvals

Filters

ID: Requester: Request Type: Market: Details: Administration Group (Registered Entity): Status: Requested Date: Equals Completed Date: Equals

Apply

Refresh Export

| ID | Requester | Request Type | Market | Details | Administration Group (Registered Entity) | Status | Requested Date | Completed Date |
|--------------------|------------|------------------|--------|-------------------------------------------------|------------------------------------------|-----------|------------------------|------------------------|
| aaa-bbbb-cccc-dddd | user name | Create GOID | F&O | GOID: FirmUser1 Individual Name: User Name | Clearing Firm | Completed | 24 Jan 2025, 09:14 CST | 24 Jan 2025, 07:14 CST |
| eee-ffff-gggg-hhhh | user name2 | Cancel on Behalf | F&O | GFID: 000 GFID Name: FIRM23 Sessions: AAA | Clearing Firm | Completed | 21 Jan 2025, 10:21 CST | 21 Jan 2025, 11:22 CST |
| iii-iii-kkkk-llll | user name3 | Create HMAC Key | F&O | Service: ilink Sessions: 111 | Clearing Firm | Completed | 24 Jan 2025, 08:49 CST | 14 Jan 2025, 10:49 CST |

- Approvals:** Review a list of entity requests submitted for review, requiring a decision before the request is submitted for CME Group processing.

Request Status Approvals Request Status (Legacy)

Filters

ID: Description: Status: Type: Administration Group (Registered Entity):

Refresh Export

| ID | Description | Status | Type | Administration Group (Registered Entity) | Request ID | Requester | Requested Date | Completed Date |
|---------------|-------------|---------|-------------------|------------------------------------------|---------------|------------|------------------------|------------------------|
| 123-456-789-0 | Create GFID | Open | F&O GFID Approval | CLEARING1 | 123-456-789-0 | Tom Tester | 13 Dec 2024, 15:00 CST | |
| 123-456-789-1 | Create GFID | Expired | F&O GFID Approval | CLEARING2 | 123-456-789-1 | Tom Tester | 27 Nov 2024, 12:54 CST | |
| 123-456-789-2 | Create GFID | Expired | F&O GFID Approval | CLEARING3 | 123-456-789-2 | Tom Tester | 11 Nov 2024, 05:16 CST | |
| 123-456-789-3 | Create GFID | Closed | F&O GFID Approval | CLEARING4 | 123-456-789-3 | Tom Tester | 04 Nov 2024, 23:57 CST | 05 Nov 2024, 01:56 CST |

- To Do:** A list of all requests requiring review and decision.
- Filter:** To narrow requests, enter search criteria in the first row (below column headings).
- Sort:** Click to sort requests in ascending / descending order.

Requested Date ▲

Requested Date ▼

- Copy:** Copy results to view and analyze in another application.
- Export:** CSV, Excel, PDF
- Print:** View all requests in a printer friendly format.

Preferences

A self-service function to associate registered entity with [Clearing Firms](#), [Front End Systems](#) and manage firm / user permissions for [Operator IDs](#) and [iLink Order Entry sessions](#).

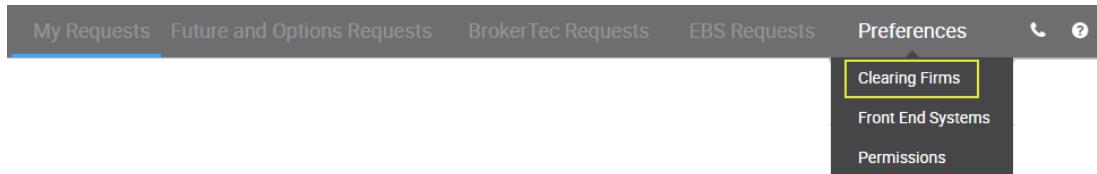
Clearing Firms

View and add clearing firms, including exchange identifier, associated with a registered entity.

► To set up clearing firm mapping:

Clearing firm mapping updates require [coordination](#) with the existing clearing firm and CME Group's [Global Account Management](#) team.

1. From the **Preferences** menu, select **Clearing Firms**.



2. Select a **Registered Entity**.

If you have access to just one entity, it is selected by default.

A list of available clearing firms appears.

3. Click **Add Clearing Firm**.

or

From the list, select (✓) a clearing firm, to add to the Registered Entity, then click **Add Selected**.

| My Clearing Firms | | | | | | | | |
|-----------------------------------------|--------------------|-------------------------|------------------------|-----------------------------------|-------|------|-----|---------|
| Delete Clearing Firm(s) | | Refresh | Export | Add Clearing Firm | | | | |
| <input type="checkbox"/> | Clearing Firm Name | CME | CBOT | COMEX | NYMEX | MGEX | DME | Actions |
| <input type="checkbox"/> | CLEAR1 | 000 | 000 | 000 | 000 | | | |
| <input type="checkbox"/> | CLEAR2 | 111 | 807 | 111 | 111 | | | |
| <input type="checkbox"/> | CLEAR3 | 222 | 222 | 222 | 222 | | 222 | |
| <input type="checkbox"/> | CLEAR4 | 333 | | | 333 | | | |

A confirmation message appears, indicating the clearing firm has been added successfully.

Clearing Firms Added
Your preferred Clearing Firms have been updated.

Front End Systems

View and set up front end systems to associate with [Futures & Options](#), [BrokerTec](#), [EBS](#) Order Entry sessions; also includes iLink, MSGW, CGW, TCP MDP certification status

► To set up front end system mapping:

1. From the **Preferences** menu, select **Clearing Firms**.

The screenshot shows the CME Customer Center interface. At the top, there are tabs for 'My Requests', 'Future and Options Requests', 'BrokerTec Requests', 'EBS Requests', and 'Preferences'. Under 'Preferences', a sub-menu is open with options: 'Clearing Firms' (highlighted in yellow), 'Front End Systems', and 'Permissions'. The main content area is titled 'My Front End Systems' and displays a table of front-end systems with columns for various certification types like iLink, MSGW, CGW iLink 3.0, iLink 3.0, DropCopy 4.0, MDP 3.0, and TCP MDP. Each row represents a system, with 'system1' listed as PROPRIETARY BUSINESS.

2. Select a Registered Entity.

A list of available front end systems, for the selected entity, appears.

| Certifications | | | | | | | | | | | | | | | |
|----------------|----------------------|-------|------|---------------|-----------|------------|-----|--------------|------------|-----|---------|------------|-----|---------|------------|
| System Name | Type | iLink | MSGW | CGW iLink 3.0 | iLink 3.0 | | | DropCopy 4.0 | | | MDP 3.0 | | | TCP MDP | |
| | | iLink | MSGW | CGW iLink 3.0 | F&O | Broker Tec | EBS | F&O | Broker Tec | EBS | F&O | Broker Tec | EBS | F&O | Broker Tec |
| system1 | PROPRIETARY BUSINESS | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Permissions

Enables Clearing Firm Admin Managers / Application Administrators to manage entitlements for Globex Operator ID and iLink Self-Service.

- **Globex Operator ID Self-Service Permissions for [Trading Firms](#)**

The screenshot shows the 'Permissions' page for 'Trading Firm'. It includes a dropdown for 'Administration Group (Registered Entity)' set to 'CID00000 - TEST FIRM' and a 'View Change Log' button. Below this are two tabs: 'Globex Operator ID (Tag 50) View Access' (selected) and 'iLinks Session Management'. Under 'Globex Operator ID (Tag 50) View Access', there are two entries: 'ONE TRADING, LLC' and 'TRADECO', each with a 'No' toggle switch followed by 'Yes'. At the top of this section are 'Enable All' and 'Disable All' buttons. The 'iLinks Session Management' tab is currently inactive.

- [iLink / Order Entry Sessions](#) - lists Admin users that can directly create iLink order entry sessions without additional approval

The screenshot shows the 'Permissions' page for 'Admin Owner'. It includes a dropdown for 'Administration Group (Registered Entity)' set to 'CID00000 - TEST FIRM' and a 'View Change Log' button. Below this are two tabs: 'Globex Operator ID (Tag 50) View Access' (selected) and 'iLinks Session Management'. Under 'Globex Operator ID (Tag 50) View Access', there is one entry: 'TEST FIRM', with a 'No' toggle switch followed by 'Yes'. At the top of this section are 'Enable All' and 'Disable All' buttons. The 'iLinks Session Management' tab is currently inactive.

- [View Change Log](#): View a list of updates including user, application, date, time and description.

Futures and Options Requests

Futures and Options Requests is available to firm administrators and authorized users to manage Futures & Options market participant entity setup.

Functions are organized by:

- [Globex Firm IDs](#): Create and manage Globex Firm IDs to identify market participants and their relationship with Administration Groups / registered entities).
- [Drop Copy Groups](#): Create and manage drop copy groups to receive trading activity communications via the [iLink](#) order entry gateway.
- [Order Entry / iLink Sessions](#): Create and manage [order entry](#) sessions, which are used to access CME Globex to send / receive order messages.
- [Operator ID \(Tag 50\)](#): Identifies a trading participant (individual or ATS Group) that accesses and submits messages to CME Globex.
- [Cancel on Behalf](#): An optional function to designate GFID Sessions that can initiate [order cancellation](#).

To get started with self-service solutions and features within the CME Customer Center, obtain the CME Customer Center Self-Service Agreement from [Global Account Management](#).



Note: During [market closure](#), self-service functions are available, but activity is not processed until the market is open.

Globex Firm IDs

A Globex Firm ID (GFID) is a logical instance that identifies market participants; persons or trading system operators and used to segregate and identify customer and business unit activity. The GFID, including associated Session ID(s), is enabled to submit trades for products within its registered entity and clearing firm relationship(s).

Globex Firm details and clearing firm/ registered entity relationship mapping is done via the [Globex Schedule 6, Clearing Firm Guarantee and Acknowledgement](#) form, which is submitted to [Global Account Management](#).

Prior to submitting order messages, [authorized users](#) must also create associated [iLink order entry](#) sessions.

Note: CME Globex iLink session IDs are used to access electronic markets to manage bi-directional messages (enter, modify, cancel orders) and receive confirmations.

See also: [CME Globex iLink Session ID Policy and Operational Guidelines](#)

Authorized Users

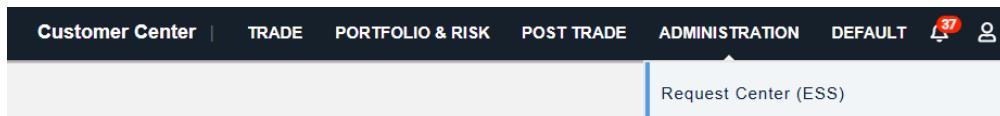
Prior to accessing GFID functions, ensure users are assigned user [permissions/entitlements](#) by the firm admin manager.

- **Request Center - GFID - Full Access:** Can create, edit, delete GFIDs.
- **Request Center - GFID - Read Only:** View GFIDs and entity / request information.
- **Clearing Firm -Admin Manager:** Create, edit, delete GFIDs and [approve or reject](#) requests submitted by other users, Can add full access / read only [entitlements](#) for other users to manage entity self-service requests.

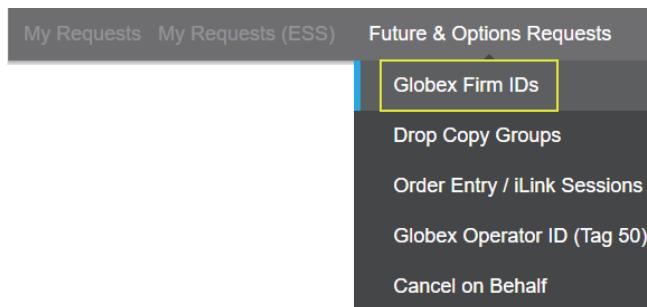
Accessing Globex Firm IDs

The following instructions illustrate the process to access Globex Firm IDs, to view and manage futures and options market participant identifiers and exchange/clearing firm associations.

1. From the CME Customer Center menu select **Administration** or **Default** > **Request Center (ESS)**.



2. From the **Futures & Options Requests** menu, select **Globex Firms**.



3. Select an **Administration Group (Registered Entity)**.

If you have access to just one Administration Group (AG) it is selected automatically.

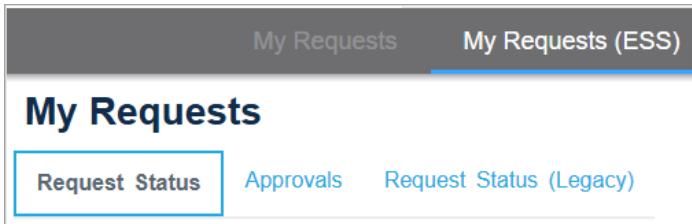


GFID Functions



The screenshot shows the 'Globex Firm IDs (GFID)' page. At the top, there are navigation links: 'My Requests', 'My Requests (ESS)', 'Contacts', 'Future & Options Requests', 'BrokerTec Requests', 'EBS Requests', and 'Preferences'. The 'Future & Options Requests' tab is selected. The main title is 'Globex Firm IDs (GFID)'. Below the title, a sub-instruction says 'Manage Globex Identifiers (GFID) for administration, product permissioning, and risk control activities.' A dropdown menu for 'Administration Group (Registered Entity)' is open, showing 'ClearCo - 000111222'. On the left, there is a 'Filters' sidebar with fields for 'GFID', 'GFID Name', and 'Admin Owned' (radio buttons for 'Yes' and 'No'), and an 'Apply' button. The main area displays a table of GFID data with columns: GFID, GFID Name, Admin Owned?, CME, CBOT, COMEX, NYMEX, and MGEX. The table contains two rows of data. At the top right of the table are buttons for 'Refresh', 'Export', and 'Create Globex Firm ID'. Below the table are buttons for 'Expire' (labeled c) and 'Edit' (labeled d). A callout 'g' points to the 'GFID Name' column header. Callouts 'e' and 'f' point to the 'Refresh' and 'Create Globex Firm ID' buttons respectively. Callout 'h' points to the 'Admin Owned' filter in the sidebar. At the bottom, there are pagination controls: 'Rows per page: 10', '1-2 of 2', and 'Next >'. Callout 'a' points to the title 'Globex Firm IDs (GFID)'. Callout 'b' points to the dropdown menu.

- a. [Reviewing GFID Requests](#) - Authorized clearing firm [admin manager](#) users can use My Requests to [review](#) submitted requests ([Request Status](#) tab) and assign a decision ([Approvals](#) tab).



The screenshot shows the 'My Requests' page. At the top, there are two tabs: 'My Requests' and 'My Requests (ESS)', with 'My Requests' being the active tab. Below the tabs, the main title is 'My Requests'. There are three navigation buttons: 'Request Status' (highlighted in blue), 'Approvals', and 'Request Status (Legacy)'. The 'Request Status' button is enclosed in a blue box.

- b. [Administration Group \(Registered Entity\)](#): Select an entity to view / manage.
- c. [Expire a Globex Firm ID](#)
- d. [Edit a Globex Firm ID](#)
- e. [Refresh/Export](#): *Refresh* the list to include recently created GFIDs or *Export* the list of GFIDs to CSV, Excel, PDF format.
- f. [Create a Globex Firm ID](#)



i. [Related](#): Manage entity self-service [BrokerTec](#) / [EBS](#) requests.

- g. [Sort columns](#): Select column headings to sort *GFID*, *GFID Name*, *Admin Owned* in ascending ([GFID Name \$\uparrow\$](#)) / descending ([GFID Name \$\downarrow\$](#)) order.
- h. [Filters](#): Search for GFIDs that match specified search criteria

Filters [◀ HIDE](#)

[Clear All](#)

GFID

GFID Name

Admin Owned
 Yes No

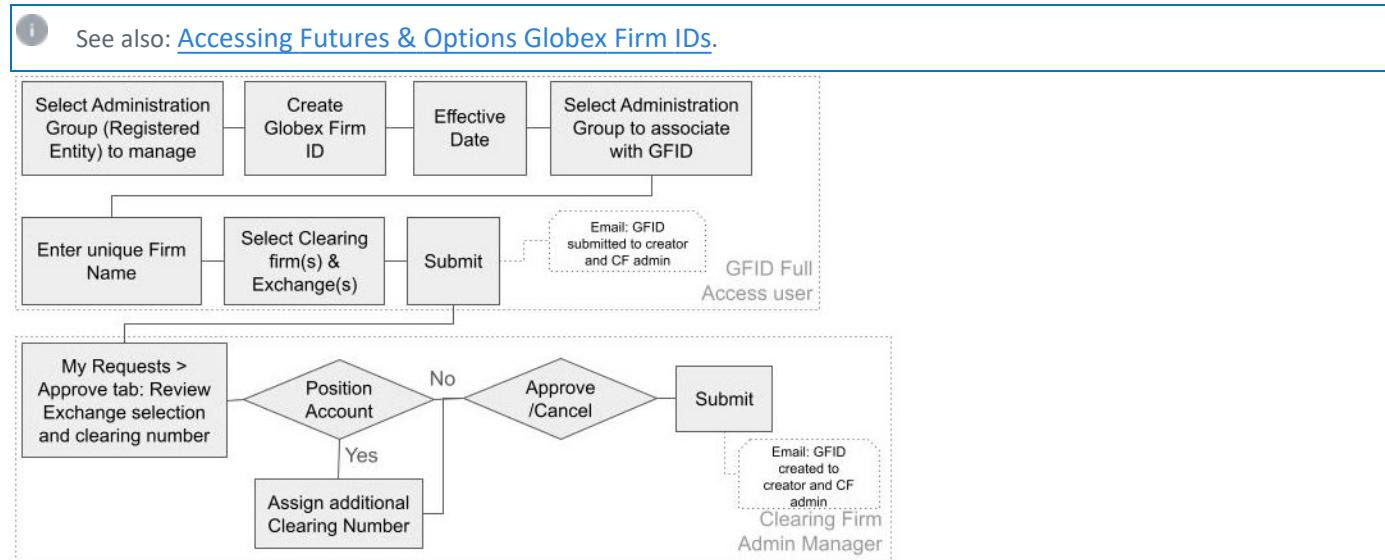
Apply

- **GFID:** Search by GFID name.
 - **GFID Name:** Search for a particular GFID.
 - **Admin Owned:** Filters the list to GFIDs owned by the selected administration group (registered entity).
- If the registered entity is not the admin owner, Expire or Edit is not available.

Creating a Globex Firm ID

The following instructions illustrate the process for authorized users to create a Globex futures and options GFID trading entity identifier and associate with a clearing firm at an exchange.

Submitted requests are reviewed by the firm's clearing exchange administrator.



► To create a Globex Firm ID:

1. From the Futures & Options Requests - Globex Firm ID page, select **Create Globex Firm ID**.

Globex Firm IDs (GFID)

Manage Globex Identifiers (GFID) for administration, product permissioning, and risk control activities.

Administration Group (Registered Entity)
TEST - ABC-000000 X

Filters

[HIDE](#)

[Clear All](#)

GFID

GFID Name

Admin Owned

Yes No

Apply

You have no Globex Firm IDs available

Create Globex Firm ID

2. On the screen that appears, enter firm details:



Note: Required fields are indicated by an asterisk (*).

- **Effective Date** (default: today's date): Upon admin approval, GFIDs are available on the specified date.
- **Administration Group (Registered Entity)**: The new GFID will be associated with the selected entity.
- **Firm Name**: Enter a unique (at the Registered Entity level) *executing/trading* firm name.
- **Clearing Firm Mapping**: For the designated Clearing Exchanges, select at least one Clearing Member to associate with the *executing/trading* firm.

Futures & Options Globex Firm IDs

Create Globex Firm ID

Effective Date

12/13/2024

Administration Group ?

Select...



New Globex Firm

Firm Name ?

Clearing Firm Mappings

CME

CBOT

COMEX

NYMEX

MGEX

DME

Cancel

Submit

Clearing Firm Mapping - Updates: If a clearing firm mapping update is required, CME Group advises:

- At least one week prior to the effective date, notify the current clearing firm of the intention to change mapping.
- Coordinate updates to become effective at the close of the business Friday.
- If a mid-week update is required, contact [Global Account Management](#).

Note: To update / add available clearing firm selections, select **Request Center (ESS) > Preferences > Clearing Firms**

The screenshot shows a navigation bar with tabs: My Requests, Future and Options Requests, BrokerTec Requests, EBS Requests, Preferences, and a Help icon. Below the navigation bar, there is a secondary menu with three items: Clearing Firms (which is highlighted with a yellow box), Front End Systems, and Permissions.

ClearingFirms

| Clearing Firm Name | CME | CBOT | COMEX | NYMEX | MGEX | DME | Actions |
|--------------------|-----|------|-------|-------|------|-----|---------|
| CLEAR1 | 000 | 000 | 000 | 000 | | | |
| CLEAR2 | 111 | 807 | 111 | 111 | | | |
| CLEAR3 | 222 | 222 | 222 | 222 | 222 | | |
| CLEAR4 | 333 | | | 333 | | | |

- To complete the request, select **Submit**.

A notification banner appears and email notification is sent to the [requestor and clearing firm admin manager](#).

The request to create Globex Firm ID "test1127" has been submitted. Check your request status under the [My Request](#) tab.

The request is accessible from [My Requests \(ESS\) - Request Status tab](#) to view status, or [clearing firm admin manager decision](#) (via Approvals tab).

| ID | Requester | Request Type | Market | Details | Administration Group (Registered Entity) | Status | Requested Date | Completed Date |
|-------------|------------|--------------|--------|-------------------|------------------------------------------|--------------------------|------------------------|----------------|
| 012-345-678 | Tom Tester | Create GFID | F&O | GFID Name: test_1 | CLEARING1 | In Progress | 15 May 2025, 14:21 CDT | |

Reviewing GFID Requests

The following instructions illustrate the process for authorized clearing firm [Admin Managers](#) to review GFID requests submitted by executing firm users.

To review Globex Firm ID requests:

- From the Request Center (ESS) menu, select [My Requests \(ESS\)](#)

| ID | Requester | Request Type | Market | Details | Administration Group (Registered Entity) | Status | Requested Date | Completed Date |
|-------------|------------|--------------|--------|-------------------------------|------------------------------------------|--------------------------|------------------------|------------------------|
| 012-345-678 | Tom Tester | Create GFID | F&O | GFID Name: test_1 | CLEARING1 | In Progress | 13 Dec 2024, 15:00 CST | 13 Dec 2024, 17:00 CST |
| 123-456-789 | Tom Tester | Create GFID | F&O | GFID Name: test2 | CLEARING2 | Rejected | 27 Nov 2024, 12:53 CST | 27 Nov 2024, 14:54 CST |
| 234-567-890 | Tom Tester | Create GFID | F&O | GFID: 111 GFID Name: test3 | CLEARING3 | Completed | 27 Nov 2024, 03:22 CST | 27 Nov 2024, 03:30 CST |

, select the [Approvals](#) tab, then select a [linked](#) request that is pending a decision (**Status: In Progress**).

| My Requests | | Request Status (Legacy) | | | | | | | | | | | | | |
|---------------------------|-------------|-------------------------|-------------------|------------------------------------------|---------------|------------|------------------------|------------------------|--|--|--|--|--|--|--|
| Request Status | Approvals | | | | | | | | | | | | | | |
| Filters | | | | | | | | | | | | | | | |
| Clear All | | | | | | | | | | | | | | | |
| ID | Description | Status | Type | Administration Group (Registered Entity) | Request ID | Requester | Requested Date | Completed Date | | | | | | | |
| 123-456-789-0 | Create GFID | Open | F&O GFID Approval | CLEARING1 | 123-456-789-0 | Tom Tester | 13 Dec 2024, 15:00 CST | | | | | | | | |
| 123-456-789-1 | Create GFID | Expired | F&O GFID Approval | CLEARING2 | 123-456-789-1 | Tom Tester | 27 Nov 2024, 12:54 CST | | | | | | | | |
| 123-456-789-2 | Create GFID | Expired | F&O GFID Approval | CLEARING3 | 123-456-789-2 | Tom Tester | 11 Nov 2024, 05:16 CST | | | | | | | | |
| 123-456-789-3 | Create GFID | Closed | F&O GFID Approval | CLEARING4 | 123-456-789-3 | Tom Tester | 04 Nov 2024, 23:57 | 05 Nov 2024, 01:56 CST | | | | | | | |

2. On the request details screen review GFID details, related details (e.g. confirm / update Exchange Clearing Number) then select a decision (Approve/Cancel).

Create GFID: ClearCo Open X

| Task ID | 123-456-789-0 | Requester | Tom Tester (test@clearing.com) | |
|-------------------------------------------------|------------------------|--------------------------|--------------------------------|--------------------------|
| Request ID | 012-345-678-9 | Submitter | Tom Tester (test@clearing.com) | |
| Date | 13 Dec 2024, 03:00 CST | Request Type | Create F&O GFID | |
| Received | TEST - ABC | | | |
| Administration Group (Registered Entity) | | | | |
| TEST - ABC | | | | |
| Clearing Firm | | | | |
| CID00000 - CLEARING1 | | | | |
| Exchanges | | | | |
| Globex Firm Name | Exchange | Approve? | Cancel? | Exchange Clearing Number |
| test | CME | <input type="checkbox"/> | <input type="checkbox"/> | 000 — ClearCo |

Cancel Submit

Note: For position accounts (clearing firm ID is different than the executing firm ID) a second Exchange Clearing Number can be selected.

Create GFID: ADM INVESTOR SERVICES INC

| | | | | |
|-------------------------------------------------|------------------------|-------------------------------------|--------------------------------|---------------------------------|
| Task ID | 123-456-789-0 | Requester | Tom Tester (test@clearing.com) | |
| Request ID | 012-345-678-9 | Submitter | Tom Tester (test@clearing.com) | |
| Date | 13 Dec 2024, 03:00 CST | Request Type | Create F&O GFID | |
| Received | | | | |
| Administration Group (Registered Entity) | | | | |
| TEST - ABC | | | | |
| Clearing Firm | | | | |
| CID00000 - CLEARING1 | | | | |
| Exchanges | | | | |
| Globex Firm Name | Exchange | Approve? | Cancel? | Exchange Clearing Number |
| Test | CME | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 000 - ClearCo |
| Test2 | CBT | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 222 - ClearCo2 |
| Cancel | | Submit | | |

3. To finalize review and GFID creation, select **Submit**.

A notification banner appears and email confirmation sent to the requestor and clearing firm admin manager.

Editing a Globex Firm ID

Using the Edit function, authorized firm users can update the Firm Name and/or update exchange / clearing firm mappings.

1. From the Futures & Options Requests - Globex Firm ID page, select a GFID (checkbox), then select **Edit** ().

Globex Firm IDs (GFID)

Manage Globex Identifiers (GFID) for administration, product permissioning, and risk control activities.

| Filters | |  Expire |  Edit | Refresh  | Export  | Create Globex Firm ID | | |
|-----------------------------------------|-------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------|----------|---------|
| <input type="checkbox"/> GFID | AG | GFID Name | Admin Owned? | CME | CBOT | COMEX | NYMEX | MGEX |
| <input checked="" type="checkbox"/> 000 | TEST1 | GFID1 | No | GFID1-CME | GFID1-CB | | GFID1-NM | GFID1-M |
| <input type="checkbox"/> 222 | TEST2 | GFID2 | No | GFID2-CME | | | | |

Rows per page : 1-2 of 2

2. On the screen that appears, update GFID details, then select **Submit**.

- Firm Name
- Specify additional mappings or update:
 - Select another clearing firm
 - Remove (x)] clearing firm mappings

Note: To enable additional clearing firm selections, see [Preferences > Clearing Firms](#) or [Clearing Firm Mapping](#).

Edit Globex Firm ID(s)

Effective Date

10/01/2024



000 - TESTTEST

Firm Name

TESTTEST

Clearing Firm Mappings

CME

111 - TEST



CBOT

222 - TEST



COMEX

Select...



NYMEX

333 - TEST3



MGEX

444 - TEST

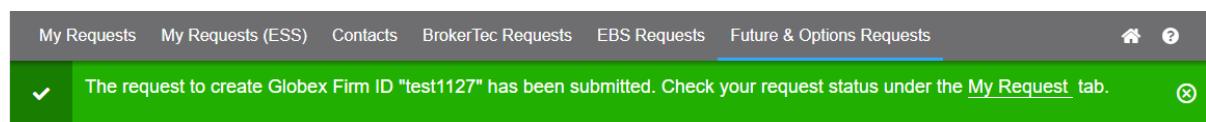


DME

Select...


[Cancel](#)
[Submit](#)

A notification banner appears and email notification is sent to the requestor and admin manager.



Note: When editing GFID details, Exchange > *Clearing Firm Mapping* deletion does not require review.

Expiring a Globex Firm ID

Using the Edit function, authorized firm users can expire unused GFIDs and associate Session IDs with a new GFID.

- From the Futures & Options Requests - Globex Firm ID page, select a GFID (checkbox), then select **Expire** ().

Globex Firm IDs (GFID)

Manage Globex Identifiers (GFID) for administration, product permissioning, and risk control activities.

Filters [HIDE](#)

[Clear All](#)

GFID

GFID Name

Admin Owned Yes No

Apply

[Expire](#) [Edit](#)

[Refresh](#) [Export](#) [Create Globex Firm ID](#)

| GFID | AG | GFID Name | Admin Owned? | CME | CBOT | COMEX | NYMEX | MGEX |
|------|-------|-----------|--------------|-----------|----------|----------|---------|------|
| 000 | TEST1 | GFID1 | No | GFID1-CME | GFID1-CB | GFID1-NM | GFID1-M | |
| 222 | TEST2 | GFID2 | No | GFID2-CME | | | | |

Rows per page : 1-2 of 2

« < Prev 1 of 2 2 Next > »

2. Prior to expiring a GFID, assign *Session IDs* to a **New Primary GFID**.

F&O Globex Firm IDs

Expire Globex Firm ID

Step 1: Expire GFID Information

Step 2: Summary Expire/Delete Gfid

Expire Globex Firm ID Information

You selected Globex Firm Id(s) that are assigned to the sessions below. Before you can expire these Globex Firms Id(s), you need to assign a new primary Globex Firm Id for affected sessions or delete the sessions

| Selected GFID to be deleted | Session ID | Delete | New Primary GFID |
|-----------------------------|------------|-----------------------------------------|----------------------------------------|
| 000 | TEST1 | Delete | <input type="text" value="Select..."/> |
| | 7LP | Delete | <input type="text" value="Select..."/> |
| | TRV | Delete | <input type="text" value="Select..."/> |
| | 6LQ | Delete | <input type="text" value="Select..."/> |
| | 59B | Delete | <input type="text" value="Select..."/> |
| | KTY | Delete | <input type="text" value="Select..."/> |
| | KYQ | Delete | <input type="text" value="Select..."/> |

[Cancel](#) [Next](#)

Note: Session IDs that are no longer used can be **Deleted** (Delete icon). The Session ID will appear in gray and the icon updates to **restore** (Restore icon).

| Session ID | Delete | New Primary GFID |
|------------|-----------------------------------------|----------------------------------------|
| 123 | Delete | <input type="text" value="Select..."/> |
| 456 | Delete | <input type="text" value="Select..."/> |

3. After updating Primary GFID and/or deleting, select **Next** (Next icon), then **Confirm and Submit**.

F&O Globex Firm IDs

Expire Globex Firm ID

Step 1: Expire GFID Information Step 2: Summary Expire/Delete Gfid

| Summary Expire/Delete Gfid | Globex Firm Id & Name | Sessions Deleted | Sessions Reassigned | Effective Date |
|-----------------------------------------------------------|-----------------------|------------------|---------------------|------------------------------------------------------------------------------------------------|
| This is the summary of what you selected to expire/delete | 000 TEST1 | 0 | 7 | 12/03/2024  |

[Back](#) [Cancel](#) [Confirm and Submit](#)

A confirmation banner appears and email is sent to the requestor and clearing firm admin manager.

Updates will be effective on Friday at 4 PM CT.

My Requests Contacts BrokerTec Requests EBS Requests Future & Options Requests  

✓ The selected Globex Firm ID(s) has been deleted successfully. Check your request status under the [My Request](#) tab. 

Drop Copy Groups

Using Request Center (ESS) - Drop Copy, authorized users can create [Drop Copy](#) groups to receive trading activity communications (Execution, Order, Acknowledgment) via the [iLink](#) order entry gateway.

To receive Messages at multiple related entities, configure drop copy groups (target sessions) with one or more source [sendercomp](#) sessions.



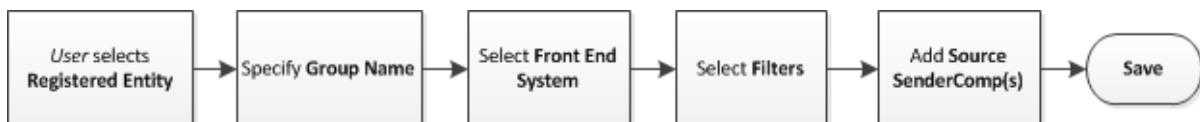
Example: Clearing firms only receive messages related to activity which they clear.

- [Accessing the Drop Copy Function](#)
- [Creating Drop Copy Group](#)
- [Request Status](#)
- [Editing / Deleting](#)
- [Securing Drop Copy Groups](#): Generate private security keys or manage (delete / download) to secure Drop Copy Groups.

Creating a Drop Copy Group

Use the Drop Copy function to configure an entity to receive real-time copies of session and trading activity messages.

The Drop Copy Group creation process consists of the following steps:



- Select Registered Entity
- Specify Group Name
- Select Front End System
- Select Filters
- Add Source Sender Comps
- Submit

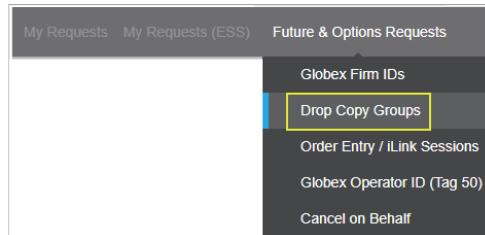
Creating a Drop Copy Group

► To create a Drop Copy Group:

1. From the CME Customer Center menu select **Administration** or **Default** > **Request Center (ESS)**.



2. From the **Futures & Options Requests** menu, select, **Drop Copy Groups**.



3. Select a **Administration Group (Registered Entity)** to manage.

If you have access to just one Administration Group (AG) it is selected automatically.

4. Select **Create New Group**.

Futures & Options Drop Copy Group(s)

| Filters | | <input type="button" value="Delete Group(s)"/> | <input type="button" value="Refresh"/> | <input type="button" value="Export"/> | <input type="button" value="Create New Group"/> |
|--------------------------|----------------------|------------------------------------------------|----------------------------------------|---------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> | Drop Copy Group Name | Front End System | Actions | | |
| <input type="checkbox"/> | AA012 - Clear1 | Trade Platform | <input type="button" value=""/> | <input type="button" value=""/> | |

(if applicable) A dialog indicates the number of existing Drop Copy groups and the fee for creating a new group.

Create New Drop Copy Group

Please Note

You have **3** existing DropCopy Groups.

Creating a new DropCopy Group will result in a **\$500** monthly fee.

Note: Customers receive one free Drop Copy Group, a [fee](#) is incurred for each additional instance. A single Drop Copy Convenience Gateway (CGW) target can have up to 1000 CGW sendercomps. A single Drop Copy Market Segment (MSGW) target can have up to 5000 MSGW sendercomps.

- To continue, select **Proceed**.
- On the page that appears specify the **Drop Copy Group Name** and **Front End System** to monitor.

Create New Drop Copy Group

All Fields are required unless noted otherwise.

Drop Copy Name
1

Front End System
Prop System

Mandatory Filter(s)
Execution Reports

Optional Filter(s)
- Select -

Manage Source SenderComps

Source SenderComps **Source SenderComps by Rule**

+ Add Source SenderComps

Export ▾

| Session ID | Session Type | GFID | GFID Name | Trader ID | Session Live Date | Front End System | CME Class A Firm ID | CME Class A Firm Name | Actions |
|------------|--------------|------|-----------|-----------|-------------------|------------------|---------------------|-----------------------|---------|
| 111 | CGW | 11A | GFID1 | 22AB | 2024-12-02 | trade system | 100 | Trading Firm | trash |

Rows per page : 10 ▾ 1 of 1

« < Prev 1 of 1 Next > »

Cancel

Submit

- For the **Mandatory / Optional Filters** field, select *communication types*.

Available [communication types](#):

- Acknowledgement (Ack) Messages.**
- Execution Reports.**
 - Execution - Order Entry:** New Order Acknowledgement message.
 - Execution - Create / Cancel / Modify:** Response message.
 - Execution - Elimination:** Order expiration message.
 - Trade - Fill Notice:** Complete and partial fills.
 - Trade - Trade Cancel:** Notifies user of trade cancellation.
- Heartbeats:** The response message that confirms connectivity.
- Order Mass Action Filter:** Confirms the number of canceled orders.
- Reject Messages:** Message indicates a session level error has occurred.
- Trade Busts:** Trade cancellation: (see Trade Cancel, above).

Note: Using session configuration information provided, selected communications are routed to the Source SenderComp / Session IDs.

Select **Add Source SenderComps**:

Filter by **Globex Firm or Rules** (optional).

Select from the available [Source SenderComps](#)- click **Add**.

- To finalize, select **Submit**.

Submitted requests are available from [My Requests](#) and initially assigned an In-Progress status.

After validation and setup, the status changes to **Completed** and the Drop Copy Group appears in the **Drop Copy Group > Registered Entity** list.



Note: For additional assistance, contact [Global Account Management](#).

Editing and Deleting

Using the CME Globex Drop Copy Group functionality users can view and manage existing Drop Copy Groups.

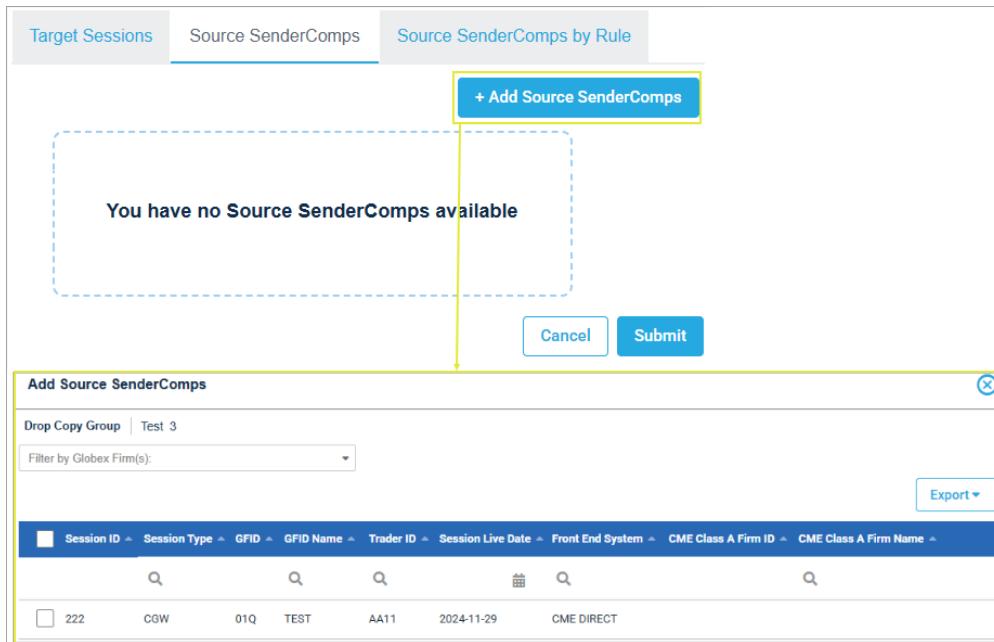
► To edit Drop Copy group details:

1. From the **Futures & Options Drop Copy Groups** page, select the **Edit** (edit icon) icon.

| Drop Copy Group Name | Front End System | Actions |
|----------------------|------------------|---------|
| AA012 - Clear1 | Trade Platform | |

2. Select **Edit**, then update [Drop Copy Group details](#) as required:

- Drop Copy Group Name
- Front End Systems
- Mandatory / Optional [Filters](#); available to designated entity administrators.
- Target Sessions: View-only session [configuration](#) details.
To view Public Key ID details, select **Show key ID**.
- [Source SenderComps](#): Select additional Source SenderComps that will receive messages.



Target Sessions Source SenderComps Source SenderComps by Rule

+ Add Source SenderComps

You have no Source SenderComps available

Cancel Submit

Add Source SenderComps

Drop Copy Group | Test 3

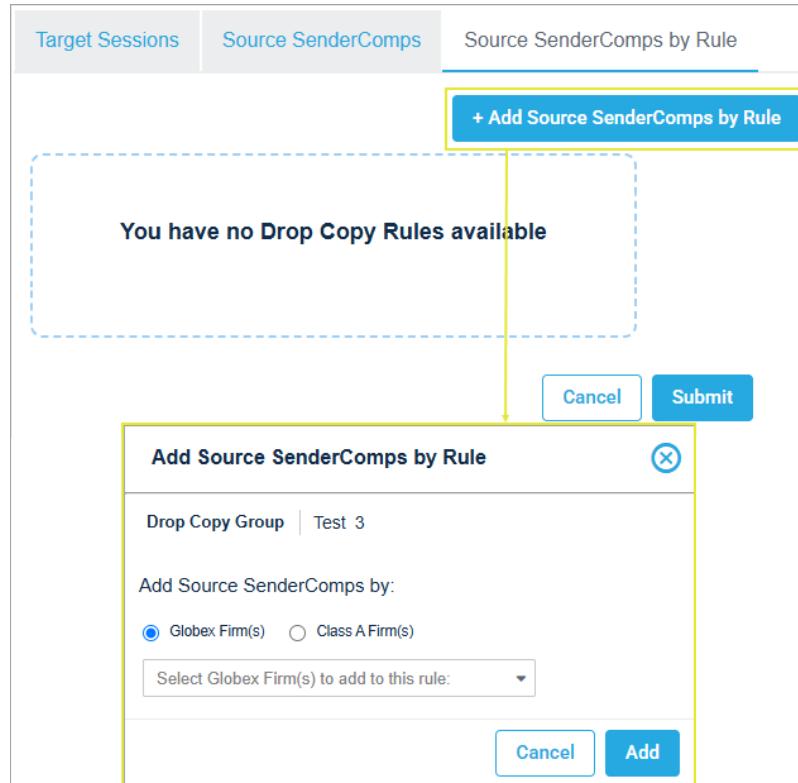
Filter by Globex Firm(s):

Export ▾

Session ID ▾ Session Type ▾ GFID ▾ GFID Name ▾ Trader ID ▾ Session Live Date ▾ Front End System ▾ CME Class A Firm ID ▾ CME Class A Firm Name ▾

222 CGW 01Q TEST AA11 2024-11-29 CME DIRECT

- **Add Source SenderComps by Rule:** Select by Globex firm or Class A trading firm.



Target Sessions Source SenderComps Source SenderComps by Rule

+ Add Source SenderComps by Rule

You have no Drop Copy Rules available

Cancel Submit

Add Source SenderComps by Rule

Drop Copy Group | Test 3

Add Source SenderComps by:

Globex Firm(s) Class A Firm(s)

Select Globex Firm(s) to add to this rule: ▾

Cancel Add

3. To finalize updates, select **Submit**.

Additional Option:

- **Deleting Drop Copy Groups** - An additional delete function is available from the Target Sessions tab (select a Drop Copy Group, then click **Delete Group**).

| Drop Copy Group Name | Front End System | Actions |
|----------------------|------------------|---------|
| AA012 - Clear1 | Trade Platform | |

Securing Drop Copy Sessions

CME Group uses a secure login process for Drop Copy and Order Entry API services.

Using self-service functions, users can generate and manage key pairs (*Access Key ID*Secure login request + *Secret Key*Used to create HMAC signature.) to secure user login and Drop Copy message activity.

- **Customer identity verification:** Login is signed with CME Group issued and validated security credentials.
- **Message confidentiality and integrity:** CME Globex uses customer submitted credentials to calculate the HMAC value to validate against a login request.
 - Once created, credentials are accessible and available for multiple downloads.
 - In situations when a secure key is within four weeks of expiration, a user can have two secure key pairs. Notification of pending security credential expiration will be sent by email to registered administrators.
 - If a customer generates a third secure key pair:
 - The user must delete a secure key pairs immediately.
 - The oldest secure key pair will expire in four weeks (at market close).

For security reasons, CME Group requires customers to change their security credentials every 12 months.

To secure Drop Copy sessions:

Authorized users can use Drop Copy functions to generate private security keys to secure Drop Copy message activity.

Following is an overview of the secure key management process, including available functions:

1. From the **Drop Copy Groups** page, select **Registered Entity**, then select the edit () icon for the **Drop Copy Group** to secure.

| Drop Copy Group Name | Front End System | Actions |
|----------------------|------------------|---------|
| AA012 - Clear1 | Trade Platform | |

2. Select the **Target Session** tab, then select the **Session ID checkbox**, then **Manage Keys > Generate Keys**.

3. On the dialog that appears, then **Generate Key**.

The dialog refreshes with the Key ID, Expiration, Download button.

| Session ID | Existing Key ID to be deleted immediately | Existing Key ID to be expired in 4 weeks |
|------------|-------------------------------------------|------------------------------------------|
| AAA1234 | - | - |

4. Select **Download**, **confirm** your identity by completing multi-factor identification, then **Download** the key to a file directory.

Protect your CME Group Account

We do not recognize your device. In order to maintain the highest level of security, please click 'Send Code' for a security code to be delivered to your device. If you are unable to receive the security code, please contact CME Group Enterprise Application and System Entitlements at:

US +1 312 456 1560
 Europe +44 20 3379 3802
 Asia +65 6593 5536

Security Code

Resend Code

- **SMS code**: Sent to the default CME Group Login mobile phone.
- **Contact EASE**: Upon user identity verification, receive a one-time use code.
- **Duo Security**

5. From the saved file, view the corresponding **Secure Key**, which is used for securing Drop Copy Sessions.

In addition, IP addresses used for connection are available from the Target Sessions tab (IP column).

Additional Options:

- **Delete Keys**: Select and confirm deletion.

Delete Key

The following key(s) will be deleted.

| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|---------------------|-------------------|---------------------|
| AA1234 | 1234567890asdfghjkl | 15 May 2025 | 15 May 2026 |

Cancel **Submit**

- **Download Keys**: Download the cryptographic key as a flat text file.

Download Key

The keys below will be downloaded in Text format. You will be prompted to enter a security code on the next screen.

| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|---------------------|-------------------|---------------------|
| AA1234 | 1234567890asdfghjkl | 15 May 2025 | 15 May 2026 |

Cancel **Download**

Order Entry / iLink Sessions

iLink Order Entry is the path by which client systems connect to and transact business on the CME Globex platform; sending and receiving session and business layer [messages](#) between the client system and CME Group.

A valid iLink session consists of:

- SenderCompID
 - Session ID (characters 1-3)
 - [Globex Firm ID](#) (characters 4-6)
 - Fault Tolerance Indicator (character 7)

 See also: [SenderCompID / iLink - Fault Tolerance](#).

 **Note:** Using self-service functions, users can create a **SenderComp** [a concatenation of the Globex Firm ID (GFID), Order Entry Session (Session ID) and a Fault Tolerance Indicator (FTI)], to submit production environment orders.

The FTI is not managed in Request Center (ESS), but it can be submitted in messages.

See also: [Cancel on Behalf - SenderCompID / iLink Order Entry - Fault Tolerance](#).

Using the Order Entry Sessions function, authorized users can create and manage iLink order entry sessions.

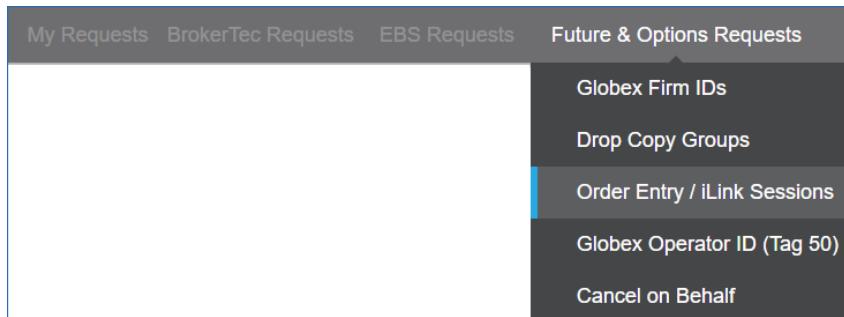
Accessing Order Entry / iLink Sessions

The following instructions illustrate the process to access Futures and Options - Order Entry / iLink Sessions to view and manage market participant identifiers and their exchange / clearing firm associations.

1. From the CME Customer Center menu select **Administration** or **Default** > **Request Center (ESS)**.



2. From the **Futures & Options Requests** menu, select **Order Entry / iLink Sessions**.



3. Select an **Administration Group (Registered Entity)**.

If you have access to just one Administration Group (AG) it is selected automatically.



Authorized Users

- **Request Center - iLink Sessions - Full Access:** Create and manage Order Entry / iLink sessions.
 - **Request Center - iLink Sessions - Read Only:** View Order Entry / iLink sessions and status.
 - **Clearing FirmAdmin Manager:** Create and manage Order Entry / iLink sessions.
- Manage user permissions to access order entry / iLink self-service functions.

Order Entry / iLink Session Functions

- [Create a Order Entry / iLink Sessions](#)
- [View submitted request status](#) - View all activity, including requests that require review and decision.
- [Edit / delete Order Entry / iLink Sessions](#)
- [Secure Order Entry / iLink Sessions](#): Generate security keys to secure iLink Order Entry sessions.
- [Manage Order Entry / iLink Session Permissions](#): Manage Registered Entity user permissions to create and manage sessions.

Futures & Options Order Entry / iLink Sessions

Administration Group (Registered Entity)
ClearCo - 000111222

Filters a b c d e

Actions b c d e

Key ID / Expiration Date
Key expires in 6 weeks

Admin Owned a b c d e

| Key ID | Session ID | Trader ID | Status | Session Type | Protocol | AG Name | Primary Globex Firm | Secondary Globex Firm | IP | Port | Live Date | Actions |
|--------|------------|-----------|--------|--------------|----------|---------|---------------------|-----------------------|--------|------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|
| No | 00A | 1234 | Live | CGW | FIX | CLEAR1 | 111 - TEST | 1111 - TEST2 | 111111 | 06/06/2024 | View Expire Edit Print | |
| Yes | 00B | 5678 | Live | CGW | FIX | CLEAR2 | 222 - TEST | ***** | 222222 | 01/24/2022 | View Expire Edit Print | |
| Yes | 00C | 9012 | Live | CGW | FIXP | CLEAR3 | 333 - TEST | 3333 - TEST3 | ***** | 333333 | 06/11/2024 | View Expire Edit Print |
| No | 00D | AAAA | Live | MSGW | FIXP | CLEAR4 | 444 - TEST | ***** | 444444 | 07/11/2024 | View Expire Edit Print | |
| Yes | 00E | BBBB | Live | CGW | FIX | CLEAR5 | 555 - TEST | ***** | 555555 | 11/24/2022 | View Expire Edit Print | |
| No | 00F | CCCC | Live | CGW | FIX | CLEAR6 | 666 - TEST | ***** | 666666 | 11/23/2017 | View Expire Edit Print | |
| No | 00G | DDDD | Live | MSGW | FIX | CLEAR7 | 777 - TEST | ***** | 777777 | 03/09/2018 | View Expire Edit Print | |
| Yes | 00H | EEEE | Live | CGW | FIX | CLEAR8 | 888 - TEST | ***** | 888888 | 03/09/2018 | View Expire Edit Print | |
| Yes | 00I | FFFF | Live | CGW | FIX | CLEAR9 | 999 - TEST | ***** | 999999 | 05/12/2016 | View Expire Edit Print | |
| Yes | 00J | GGGG | Live | CGW | FIX | CLEAR10 | 000 - TEST | ***** | 000000 | 08/14/2017 | View Expire Edit Print | |

Rows per page: 10 1-10 of 14 « « Prev 1 of 150 2 3 4 5 6 7 8 9 10 Next » »

a. **Filters:** Search by entered criteria

- **Admin Owned:** Indicates the order entry session is registered to the administration group (registered entity). If the registered entity is not the admin owner, **Expire** or **Edit** is not available.
- **Session ID:** Select to view session details
- **Trader ID:** Individual / ATS operator ID
- **Status**
- **Session Type:** CGW / MSGW
- **Protocol:** *default selection - Binary (FIXP)*
- **Primary GFID**

- **Secondary GFID**
- **IP:** IP and Port information is unique per order entry session and used to establish connectivity

| IPs For Session 12N | | |
|---------------------|-----------|-------|
| Primary IP | Backup IP | MS ID |
| 3.3.3.3 | 3.3.3.3 | - |
| Cancel | | |

- **Port:** IP and Port information is unique per order entry session and used to establish connectivity
 - **Live Date**
 - **Key ID/Expiration Date :**
 - Show  :
 - Hide  :
 - **Key ID/ Expiration Date**  **key expires in 4 weeks**
 - **Key Expiring:** 
 - b. **Manage Keys/Actions:** Generate/Delete/Download keys to secure order entry sessions
 - c. **Sort columns:** Select column headings to sort in ascending ()/descending () order.
 - d. **Export**  : Export the list of sessions to CSV / Excel / PDF format
 - e. **Actions:**
 - **Edit**  : Update primary / secondary Globex firm, front end system selection, live date, background, delete session.
 - **Delete** 
 - **Manage Keys**  : Manage secure login functions; generate, delete, download HMAC codes.
- See also: [Securing Order Entry Sessions](#) instructions

[top](#)

iLink Order Entry Sessions Self-Service Permissions

The Request Center (ESS) includes a function for Clearing Firm Admin Managers to manage Registered Entities' administratively owned GFIDs; allowing authorized users to create order entry sessions without clearing firm review.

To request CME Globex Firm ID (GFID) ownership transfer and permission to directly create and manage iLink Sessions, contact your Clearing Firm.

To manage iLink Session Self-Service:

1. From the **Request Center (ESS)** menu, select **Preferences**.



2. If you manage more than one entity, **select** from the **Registered Entity** menu, otherwise the Entity is selected.

Appears only for registered entities that represent the clearing firm.

3. On the screen that appears, select the **iLink Sessions** tab.

Request Center Permissions

Registered Entity

CID00000 - CLEAR1 View Change Log 2

iLink Session Management

Disable All | Enable All

| Admin Owner | Direct iLink Creation |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| ^ Firm1 | <input checked="" type="checkbox"/> Yes 4 |
| 000 | |
| ▼ Firm2 | <input checked="" type="checkbox"/> Yes |

A list of available Admin Owners appears.

To view affected Session IDs, expand a selection.

4. For a given Admin Owner, select **Direct iLink Creation: Yes**.

- **Yes:** Authorized trading firm users can directly [create](#), [edit](#) and / or [delete](#) iLink Sessions, without clearing firm approval.
- **No:** Authorized trading firm users can directly [create](#), [edit](#) and / or [delete](#) iLink Sessions, after clearing firm *Admin Manager* approval.
 - Admin Manager approval is required, individually, for each Order Entry / iLink Session request.
 - If the iLink session request includes more than one GFID (route-throughs), all affected clearing firms must approve each request.

Route-through requests, not approved by all clearing firms, will be rejected.

i **Note:** Permissions updates are effective immediately.

View Change Log

To view detailed updates, select **View Change Log**.

Request Center

CID00000 - CLEAR1

Change Log

| Performed by | Performed on | Application | Change Description |
|-----------------------|------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| User Name login-ID | Mon Mar 19, 2018 | Tag 50 View Access | 05:06:37 CDT: Trading Firm - Allow View Access changed to 'NO' |
| User Name login-ID | Mon Mar 19, 2018 | iLink Approval | 05:24:28 CDT: Trading Firm2 - Direct iLink Creation changed to 'YES' 05:24:28 CDT: Trading Firm3 - Direct iLink Creation changed to 'YES' 05:24:28 CDT: Trading Firm4 - Direct iLink Creation changed to 'YES' 05:24:28 CDT: Trading Firm5 - Direct iLink Creation changed to 'YES' 05:24:28 CDT: Trading Firm6 - Direct iLink Creation changed to 'YES' |

Close

Available details:

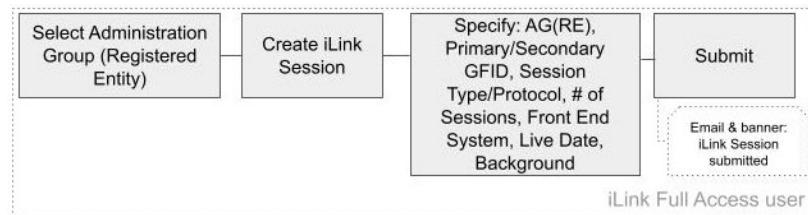
- User
- Date
- Application / Service
- Time
- Description

[top](#)

Creating iLink Order Entry Session

Use the iLink Sessions function to create new order entry sessions that can access the market to enter, modify and cancel orders and receive confirmations.

The creation process consists of the following steps:



To create a new iLink Session:

1. On the Order Entry / Link Sessions page select, select **Create iLink Session** ().

2. On the screen that appears, enter new session details.

Create New iLink Session X

All Fields are required unless noted otherwise

Administration Group (Registered Entity)

Primary Globex Firm Secondary Globex Firm(S)

Session Type Session Protocol

Number of Sessions

Front End System Requested Live Date

Business Rationale/Background

Cancel Proceed

- **Administration Group (Registered Entity):** Determines available Globex Firms
- **Primary Globex Firm/Secondary Globex Firm**
- **Session Type:** Convenience or Market Segment Gateway.
- **Session Protocol: Binary (FIXP)** - FIX Performance - supports simple session layer management; no session-level information (e.g. headers) required
- **Number of Sessions:** The number of available sessions cannot be more than allocated to an entity (Globex Firm). iLink session creation may incur a fee.

Upon submitting, a fee acknowledgment indicates the amount per session and total.

- **Front End System:** Applications for which the iLink session is authorized.



Note: To manage available system selections, see [Request Center \(ESS\) - Front End System](#).

- **Requested Live Date:** See also [Request Status](#)
- **Business Rationale / Background**

3. Upon completion of required data, click **Proceed**.

An acknowledgment message appears, indicating Port Activation Charges (PAC, if applicable) for the requested session.

Create New iLink Session

⚠ Below is the cost involved for creating the selected session(s). By clicking Submit, you confirm these charges.

| Charge Type | Amount Per Session | Number of Sessions | Exempt Sessions | Total |
|-------------|--------------------|--------------------|-----------------|-------|
| PAC - CGW | \$125 | 2 | 2 | \$0 |

Back **Cancel** **Submit**

4. If you agree with the setup details and fee, click **Submit**.

A notification banner appears, indicating successful request submission. An email is sent to the designated clearing firm administrator for a decision.

The request to create your iLink Session has been submitted
Request #301993
You will receive a notification email once this request is completed. You can also log into the [Request Center](#) and check the status of this request.

Sessions will appear in the list, with a CME Group assigned Session ID.

Additional session information provided is used to configure the client trading system(s).

Request Status

Submitted requests appear on the Order Entry / iLink page with **In-Progress** status and *My Requests > Approvals* with **Open** status.

Upon successful setup and validation of session details request status updates to **Completed**.

- Requests submitted before 12:00 PM CT are processed and will be effective the same day.
- Requests submitted after 12:00 PM CT will be effective the next business day.
- Updates to session protocols are processed at 4:00 PM CT.

An email and communication center message is sent to the requestor at submission and completion.

After processing and validation of request details, session details are available on the Order Entry / iLink sessions page.

Downloading Session Keys

Once generated, secure key information is available for download.

► To download an existing HMAC authentication key:

1. From the CME Customer Center, navigate to: **Request Center (ESS) > Globex Requests > iLink Sessions**, then select a **Registered Entity**.
If you have access to only one entity, a list of iLink Sessions will appear.
2. Select the **iLink session**, which activates the **Actions for Selected Sessions** menu.

iLink Sessions

Registered Entity: CMEGLOBEX - 05_14_2017 09:00

Actions for Selected Session(s) ▾

Displaying 1 to 9 of 9 iLink Sessions | View 10 ▾

Manage Keys / Protocol or Delete Session

Create iLink Session

Create iLink Session

Copy | CSV | Excel | PDF | Print

| Admin Owned | Session ID | Trader ID(s) | COD | Status | Market Segment Gateway | Protocol | Primary Globex Firm | Secondary Globex Firm | Password SHOW | Key ID / Expiration Date HIDE | Primary IP | Secondary IP | Port | Live Date |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------|------------------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> FIX <input type="checkbox"/> FIXP <input type="checkbox"/> Pending | <input type="checkbox"/> | **** | Key will expire within 4 weeks Key is old and should be replaced | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | Yes | <input type="checkbox"/> | <input type="checkbox"/> | Live | Yes | <input type="checkbox"/> | <input type="checkbox"/> 05/14/2017 | <input type="checkbox"/> 05/14/2017 | **** | Key will expire within 4 weeks Key is old and should be replaced | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 10 May 2017 |
| <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | <input type="checkbox"/> | Live | No | <input type="checkbox"/> | <input type="checkbox"/> 05/14/2017 | <input type="checkbox"/> 05/14/2017 | **** | Key will expire within 4 weeks Key is old and should be replaced | <input type="checkbox"/> GZq4eJc3KDrmp2dEg36 | <input type="checkbox"/> 10.10.1.1 | <input type="checkbox"/> 10.10.1.2 | 22 Jun 2017 |

3. From the menu, select **Download Keys**.

Actions for Selected Session(s) ▾

Manage Keys

Generate Keys

Delete Keys

Download Keys

4. On the Generate New Keys dialog, select **Download All Keys**.

Download Keys

Please download the key below in **CSV format**. You may be prompted to enter your **CME Group Login Password** when you click the **Download All Key(s)** button.

Key will expire within 4 weeks Key is old and should be replaced

| Session ID | Key ID | Key Expiration Date |
|------------|----------------------|---------------------|
| 123 | 5e1191f447249615c0e8 | 23 Aug 2018 |

Cancel Download All Key(s)

The user's multi-factor authenticated credentials are evaluated, to verify the requestor's identity. A cryptographically random key pair is generated; consisting of an Access Key ID and a Secret Keysecure ID.

The screen refreshes to include the *Key ID*, confirmation banner appears, email confirmation is sent to the registered address and the request is added to [My Requests](#).

Download Key

X

The keys below will be downloaded in Text format. You will be prompted to enter a security code on the next screen.

| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|---------------------|-------------------|---------------------|
| AA1234 | 1234567890asdfghjkl | 15 May 2025 | 15 May 2026 |

Cancel
Download

5. If not downloaded (to the default browser directory), select **Download All Keys**, to access a text file, that contains the secure (private) key.

The file is named with the following pattern: *iLink_Session_Access_Secure Key_Download_yyyy-dd-mm*.

6. From the saved file, view the corresponding **Secure Key**, which is used for securing Order Entry access and transactions.

Reviewing iLink Order Entry Session Requests

The following instructions illustrate the process for authorized clearing firm [Admin Managers](#) to review iLink Order Entry Session requests (create/edit/delete) submitted by executing firm users.

Clearing Firm Admin Managers may designate some firms the ability to create order entry sessions without clearing firm review.

For instructions, see [iLink Order Entry Sessions Self-Service Permissions](#)

► **To review Globex Firm ID requests:**

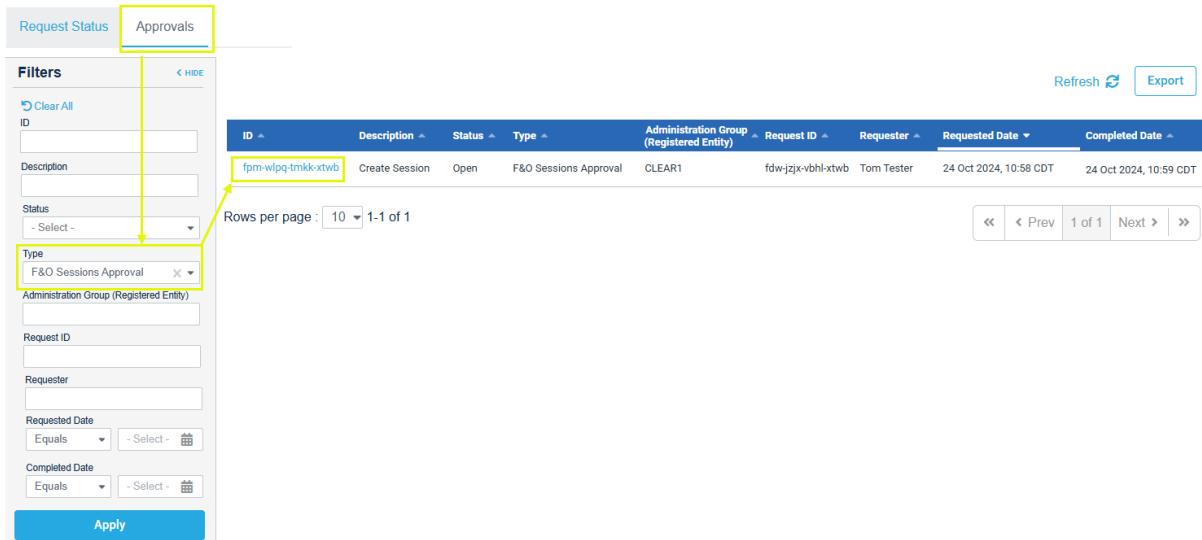
1. From the Request Center (ESS) menu, select **My Requests**,



The screenshot shows a menu bar with 'Request Center' and a dropdown menu. Below the dropdown, there are four tabs: 'My Requests' (highlighted with a yellow box), 'BrokerTec Requests', 'EBS Requests', and 'Future & Options Requests'.

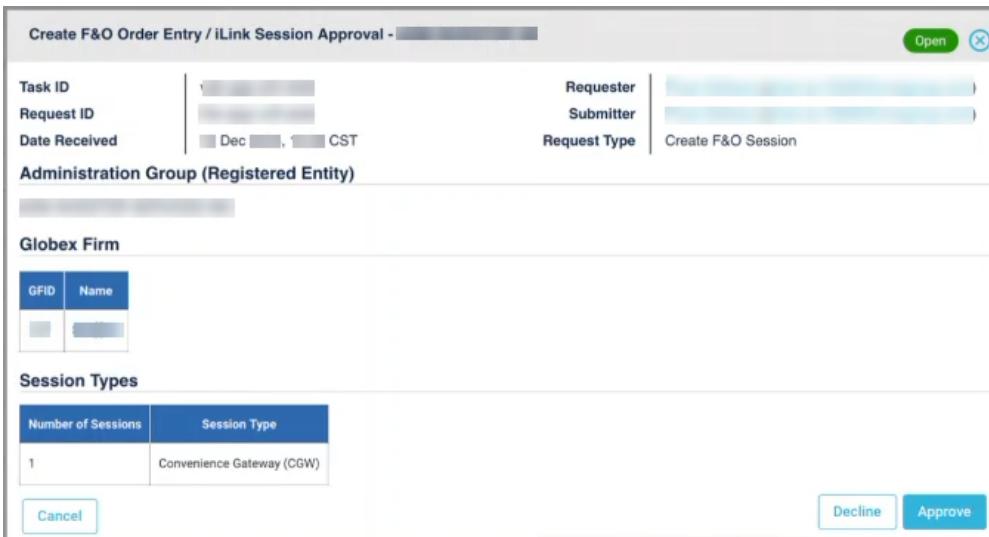
2. On the **My Requests** page, select the **Approvals** tab, then select the **linked** request (Status: *Open*).

If necessary, use the [filters](#) to find a request (e.g. *Filters - Type: Futures and Options Sessions Approval > Apply*)

My Requests


The screenshot shows a search interface for 'My Requests'. On the left, there is a 'Filters' section with a 'Type' dropdown set to 'F&O Sessions Approval'. A yellow box highlights this dropdown. On the right, a table displays a single row of data: ID 'fpm-wlpq-tmkk-xtwb', Description 'Create Session', Status 'Open', Type 'F&O Sessions Approval', Administration Group 'CLEAR1', Request ID 'fdw-jzx-vbhl-xtwb', Requester 'Tom Tester', Requested Date '24 Oct 2024, 10:58 CDT', and Completed Date '24 Oct 2024, 10:59 CDT'. The table has columns for ID, Description, Status, Type, Administration Group (Registered Entity), Request ID, Requester, Requested Date, and Completed Date. A yellow box highlights the 'Type' column header. Below the table, there are buttons for 'Refresh' and 'Export'.

3. On the request details screen review submitted details, then select a decision (**Decline/Approve**).



The screenshot shows the 'Create F&O Order Entry / iLink Session Approval' details page. It includes fields for Task ID, Request ID, Date Received (Dec 1, 2024, CST), Requester, Submitter, Request Type (Create F&O Session), and an 'Administration Group (Registered Entity)' section. Below these are sections for 'Globex Firm' (GFID and Name) and 'Session Types' (Number of Sessions: 1, Session Type: Convenience Gateway (CGW)). At the bottom are 'Decline' and 'Approve' buttons.

A notification banner appears and email confirmation sent to the requestor and clearing firm admin manager, indicating the completion of order entry session creation.

Editing / Deleting iLink Order Entry Session (IDs)

From the iLink Session page the following functions can be performed.

- [View Session ID and configuration details](#)
- [Select and Edit session details](#)
- [Delete Sessions](#)

The ability to perform advanced function is determined by a users assigned permissions. Authorized users can delete sessions at the primary or secondary firm at which they are authorized.

 **To edit Session details:**

1. From the **Futures & Options Order Entry / iLink Sessions** page, select the blue linked **Session ID**.

Futures & Options Order Entry / iLink Sessions

Administration Group (Registered Entity)
ClearCo - 000111222

Filters **Actions**

| Admin | Owned | Session ID | Trader ID | Status | Session Type | Protocol | AG Name | Primary Globex Firm | Secondary Globex Firm | Key ID/ Expiration Date |
|--------------------------|-------|------------|-----------|--------|--------------|----------|---------|---------------------|-----------------------|---------------------------------------|
| <input type="checkbox"/> | No | 00A | 1234 | Live | CGW | FIX | CLEAR1 | 111 - TEST | 1111 - TEST2 | <small>key expires in 4 weeks</small> |
| <input type="checkbox"/> | Yes | 00B | 5678 | Live | CGW | FIX | CLEAR2 | 222 - TEST | ***** | <small>key expires in 4 weeks</small> |

or, select the checkbox for the session, then select **Edit** (>Edit).

2. On the screen that appears, select **Edit**, then update as necessary.

View/Edit iLink Session - 00A

All fields are required unless noted otherwise

Administration Group (Registered Entity)
CLEAR

| | | |
|--------------------------------------------------------------|------------------------------------------------------------------------|----------|
| Primary Globex Firm 111 - TEST | Secondary Globex Firm(s) Select... | Optional |
| Session Type CGW | Session Protocol FIX | |
| Front End System TEST - AA | Live Date 01/17/2025 <input type="button" value="Calendar"/> | |
| Business Rationale/Background <input type="text"/> | | |

3. When complete, click **Submit**.

The update is sent for processing and upon completion an email and communication center message is sent to the requestor.

- Requests submitted before 12:00PM CT are validated, processed and will be effective the same business day.
- Requests submitted after 12:00PM CT will be effective the next business day.

Deleting Order Entry / iLink sessions

► To delete an Order Entry / iLink session:

Authorized users, at the primary or secondary Globex firm, can delete iLink sessions at the same primary or secondary Globex firm.

1. From the **Futures & Options Order Entry / iLink Sessions** page, select the blue linked **Session ID**.

Futures & Options Order Entry / iLink Sessions

Administration Group (Registered Entity)
ClearCo - 000111222

Filters **Actions**

| Admin | Owned | Session ID | Trader ID | Status | Session Type | Protocol | AG Name | Primary Globex Firm | Secondary Globex Firm | Key ID / Expiration Date |
|--------------------------|-------|------------|-----------|--------|--------------|----------|---------|---------------------|-----------------------|-------------------------------------------|
| <input type="checkbox"/> | No | 00A | 1234 | Live | CGW | FIX | CLEAR1 | 111 - TEST | 1111 - TEST2 | <small>key expires in 4 weeks</small> |
| <input type="checkbox"/> | Yes | 00B | 5678 | Live | CGW | FIX | CLEAR2 | 222 - TEST | ***** | <small>View > 11111 06/06/2024</small> |
| | | | | | | | | | | <small>View > 22222 01/24/2022</small> |

View/Edit iLink Session - 00A

All fields are required unless noted otherwise

Administration Group (Registered Entity)
CLEAR1

Primary Globex Firm **Secondary Globex Firm(s)**

Session Type CGW **Session Protocol** FIX

Front End System **Live Date** 01/17/2025

Business Rationale/Background

or, select the checkbox for the session, then select **Delete (Delete)**.

2. On the screen that appears, select **Delete Sessions**, then confirm the deletion.

Delete iLink Session

⚠️ Once you click submit, as of the delete date this action is permanent and these session(s) are not recoverable.

Delete Date 01/13/2025

Delete Summary

| SessionId | Primary Globex Firm | Secondary Globex Firm | Session Type |
|-----------|---------------------|-----------------------|--------------|
| 00A | 111 - TEST | | CGW |

Deletions are queued for weekly processing on Friday at 4 PM CT. After submitting, the My Requests (ESS) status indicates *In Progress*. Once finalized the status changes to *Completed*.

If a session is deleted by mistake, contact [Global Account Management](#).

Securing Order Entry / iLink Sessions

The Request Center (ESS) includes function to manage Hash Message Authentication Codes (HMAC) for secure to iLink Order Entry and Drop Copy sessions.

Authorized users can generate private security keys or manage secure iLink Session activity.

- **Client identity verification:** Login is signed and validated using security credentials.
- **Message confidentiality and integrity:** CME Globex uses customer submitted credentials to calculate the HMAC value to validate against an order entry login request.
- In situations when a secure key is within four weeks of expiration, a user can have *two* secure key pairs.
 - The oldest secure key pair will expire in four weeks (at market close).
 - Prior to expiration, an email is sent to registered administrative users.
- If a customer generates a *third* secure key pair, the oldest secure key pair must be selected to delete immediately.

Generate New Key

Only one active key is allowed per session. Please select which key below you would like to delete immediately.

Please note: Any additional keys will be expired in 4 weeks.

| <input type="checkbox"/> Select oldest Key(s) |  key expires in 4 weeks | | |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Session Id | Key ID | Key Creation Date | Key Expiration Date |
|  00A | 123456789asdfghjkl asdfghjklf123456789 | 2024-12-10 2024-12-16 | 12 Jan 2025  15 Dec 2025  |

Cancel **Proceed**

- **Key Management User:** A user entitlement to create and manage iLink session secure login pairs. Existing Administrative Manager users are assigned this role as part of their administrative responsibilities.

To request this role, contact [Global Account Management](#).

User generated key pairs:

- **Access Key ID** - Secure login request
- **Secret Key** - Used to create HMAC signature to secure login and order entry message activity.

Note: An additional API ID Management function is available from the [CME Group Login > Profile](#) function. The below instructions describe function related to order entry sessions only.

To secure Order Entry Sessions:

Following are instructions for generating authentication keys for Order Entry / iLink Sessions.

1. From the **Futures & Options Order Entry / iLink Sessions** page, select the checkbox for the session to manage, then select **Actions > Generate**.

The selected session ID appears in a dialog, including existing key details.

2. To continue, select **Submit**.

| Session Id | Existing Key ID to be deleted immediately | Existing Key ID to be expired in 4 weeks |
|------------|-------------------------------------------|------------------------------------------|
| 00A | - | - |

The dialog updates to include Key details.

3. Select **Download** to proceed to a verification prompt; required before accessing private key details.

| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|--------------------|-------------------|---------------------|
| 00A | 123456789asdfghjkL | 10 Jan 2025 | 10 Jan 2026 |

4. Verify the code sent to the mobile device, then **Submit**.

The verification code is sent to the number associated with the CME Group Login of the user that created the Order Entry / iLink session.

Download Key

X

Protect your CME Group Account

We do not recognize your device. In order to maintain the highest level of security, please click 'Send Code' for a security code to be delivered to your device. If you are unable to receive the security code, please contact CME Group Enterprise Application and System Entitlements at:

US +1 312 456 1560
 Europe +44 20 3379 3802
 Asia +65 6593 5536

Security Code

Resend Code

Back
Cancel
Submit

The file is downloaded and an email notification is sent to the requestor and admin manager.

 **CME Group**

Your request has successfully been completed.

Your request has been completed. Please log in to Request Center or follow the link to view your requests.

[Go to Request Center](#)

Request Details

| | |
|-----------------|----------------------|
| Request ID | aaa-bbb-ccc |
| Type | iLink Key Generation |
| Submission Date | 01/13/2025 |
| Status | COMPLETED |
| Sessions | 00A |

A notification appears at the top of the screen, indicating successful key generation and an email notification is sent to the registered user.



Note: Notification of pending security credential expiration will be sent by email to registered administrators.

[top](#)

In addition to [deleting Order Entry Sessions](#), authorized users can delete an associated HMAC authentication key.

► **To delete a HMAC security key:**

1. From the **Futures & Options Order Entry / iLink Sessions** page, select the checkbox for the session to manage, then select **Actions > Delete**.

| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|-------------------|-------------------|---------------------|
| 00A | 11112222333344 | 13 Jan 2025 | 13 Jan 2026 |
| 00B | 22233344455666777 | 09 Dec 2024 | 12 Jan 2025 |

The selected session ID appears in a dialog, including existing key details.

Delete Key

The following key(s) will be deleted.

key expires in 4 weeks

| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|----------------|-------------------|---------------------|
| 00A | 11112222333344 | 13 Jan 2025 | 13 Jan 2026 |

Cancel **Submit**

Delete Key

⚠ The following sessions have more than one key. Please select which key(s) you would like to delete immediately. **X**

key expires in 4 weeks

| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|--------------------|-------------------|---------------------|
| 00A | 22233344455666777 | 09 Dec 2024 | 12 Jan 2025 |
| 00A | AAABBBCCCCDDDEEEFF | 15 Dec 2024 | 15 Dec 2025 |

Cancel **Submit**

2. On the Delete Key dialog, select **Submit**, then verify the code sent to the mobile device.

The verification code is sent to the number associated with the CME Group Login of the user that created the Order Entry / iLink session.

Download Key

Protect your CME Group Account

We do not recognize your device. In order to maintain the highest level of security, please click 'Send Code' for a security code to be delivered to your device. If you are unable to receive the security code, please contact CME Group Enterprise Application and System Entitlements at:

US +1 312 456 1560
 Europe +44 20 3379 3802
 Asia +65 6593 5536

Security Code Resend Code

Back
Cancel
Submit

After verifying, the file is deleted and a notification appears at the top of the screen, indicating successful key deletion and an email notification is sent to the registered user.

[top](#)

► **To download an existing HMAC authentication key:**

Once generated, secure key information is available for download.

1. From the **Futures & Options Order Entry / iLink Sessions** page, select the checkbox for the session to manage, then select **Actions > Download**.

| Futures & Options Order Entry / iLink Sessions | | | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|--------------|----------|---------|---------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Administration Group (Registered Entity) | | Session List | | | | | | | | | |
| ClearCo - 000111222 | | <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;"> Actions Actions </div> <div style="margin-top: 10px;"> Manage Keys Generate Delete Download Delete Session(s) </div> | | | | | | | | | |
| Filters | | Key ID / Expiration Date | | | | | | | | | |
| <input style="border: 1px solid #ccc; padding: 2px 10px; border-radius: 5px; color: #0070C0; background-color: #f0f0f0; margin-right: 10px;" type="button" value="Clear All"/> <input checked="" style="border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; margin-right: 10px;" type="radio" value="Admin Owned"/> Admin Owned <input style="border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; margin-right: 10px;" type="radio" value="Trader ID"/> Trader ID | | Show key ID IP Port Live Date Actions | | | | | | | | | |
| <input style="border: 1px solid #ccc; padding: 2px 10px; border-radius: 5px; color: #0070C0; background-color: #f0f0f0; margin-right: 10px;" type="button" value="Refresh"/> <input style="border: 1px solid #ccc; padding: 2px 10px; border-radius: 5px; color: #0070C0; background-color: #f0f0f0; margin-right: 10px;" type="button" value="Export"/> <input style="border: 1px solid #0070C0; padding: 2px 10px; border-radius: 5px; color: white; background-color: #0070C0; margin-right: 10px;" type="button" value="Create iLink Session"/> | | | | | | | | | | | |
| Admin | Owned | Session ID | Trader ID | Status | Session Type | Protocol | AG Name | Primary Globex Firm | Secondary Globex Firm | Key ID / Expiration Date | Actions |
| <input type="checkbox"/> | No | 00A | 1234 | Live | CGW | FIX | CLEAR1 | 111 - TEST | 1111 - TEST2 | View 11111 06/06/2024 Print Email Delete | View 22222 01/24/2022 Print Email |
| <input checked="" type="checkbox"/> | Yes | 00B | 5678 | Live | CGW | FIX | CLEAR2 | 222 - TEST | ***** | View 22222 01/24/2022 Print Email | |

The selected session ID and Key appears in a dialog.

2. To continue, select **Download**.

Download Key

The keys below will be downloaded in Text format. You will be prompted to enter a security code on the next screen.

⚠ key expires in 4 weeks

| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|--------------------|-------------------|---------------------|
| 00A | 123456789asdfghjkL | 10 Jan 2025 | 10 Jan 2026 |

Cancel
Download

3. Verify the code sent to the mobile device, then **Submit**.

The verification code is sent to the number associated with the CME Group Login of the user that created the Order Entry / iLink session.

After verifying, the file is downloaded to the default browser directory.

Download Key X

Protect your CME Group Account

We do not recognize your device. In order to maintain the highest level of security, please click 'Send Code' for a security code to be delivered to your device. If you are unable to receive the security code, please contact CME Group Enterprise Application and System Entitlements at:

US +1 312 456 1560
Europe +44 20 3379 3802
Asia +65 6593 5536

Security Code

[Resend Code](#)

[Back](#) Cancel [Submit](#)

Registering and Managing Globex Operator IDs (Tag 50)

Operator IDs, previously known as Tag 50 IDs, identify authorized trading participants (individual or ATS operator group) that transmit messages to / from CME Globex and operate trading systems.

Registration of Globex Operator IDs are required for individual members, employees of a member, employees or contractors of a clearing or corporate member. CME Group reserves the right to require the registration of all market participants.

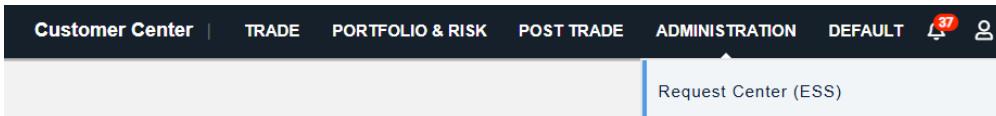
Globex Operator IDs must be unique at the Clearing Member (Registered Entity) and Trading firm level. Clearing member firms must ensure Globex Operator IDs are [registered](#) and correct information is maintained in the Exchange Fee System (EFS).

See also: [- Exchange Fees for Clearing and Trading](#)
[- Exchange Fee System User Help](#)

Accessing Globex Operator ID / Tag 50 Self-Service

The following instructions illustrate the process to access Futures and Options - Globex Operator ID / Tag 50 IDs to view and manage market participant identifiers.

1. From the CME Customer Center menu select **Administration** or **Default** > **Request Center (ESS)**.



2. From the **Futures & Options Requests** menu, select **Globex Operator ID (Tag 50)**.



Authorized Users

The Request Center (ESS) includes functions for authorized Clearing Member and Trading firm users to register and manage Globex Operator IDs (previously known as Tag 50 ID).

See also: [CME Globex Operator ID Requirements](#)

Before accessing Operator ID self-service functions, ensure the following is completed:

- **Self-Service Agreement:** Clearing and Trading firms must have an active [Self-Service agreement / form](#) with CME Group.
- **Entity Officers / Admin Managers** are [administrative users](#) for their entities and related firms and assign entitlements to additional users to manage Globex Operator IDs.

Prior to viewing Globex Operator ID data and authorizing firm access, Admin Managers must also authorize themselves with application entitlements.

- **Application Administrators:** Can authorize clearing firm users for Request Center - Globex Operator ID / Tag 50 user entitlements.

- **Clearing / Trading firm users:** Users with *Globex Operator ID / Tag 50 Full Access* entitlements can manage Globex Operator IDs and ATS team members. Authorized trading firm users can submit Globex Operator ID and ATS team members for clearing firm administrator review.
- **Trading Firm Access:** Execution / Trading firm users that want to [view Operator ID details](#) must contact their registered entity Admin Manager for entitlements to view Operator ID data. Users must also have *Globex Operator ID / Tag 50 View Only* access.

Globex Operator ID (Tag 50) Functions

- [Access Operator ID Self-Service](#)
- [View Operator ID details](#)
- [Register Operator IDs](#)
 - [Add Clearing Firm selections](#)
- [Manage trading firms access](#)
- [Manage user access to register new Operator IDs and view details of existing IDs](#)

The following function is available to users that have been granted firm-level self-service access,

Globex Operator ID (Tag 50) Registration

Filters ◀ HIDE

A

GOID (Globex Operator ID) B Exact Match

Last Name

First Name

Clearing Firm

Associated Entity

ATS Yes No

ATS Team Name

| GOID (Tag 50) | Last Name | First Name | Clearing Firm | Associated Entity | ATS | ATS Team Name | Exchange | Eff Date | Exp Date |
|---------------|--------------|------------|---------------|-------------------|-----|---------------|-------------|-------------|-------------|
| TRADER1 | TRADER | TOM | CLEARCO | TRADE1 | N | C | 24 Jan 2025 | 31 Dec 9999 | |
| TRADER2 | AssetManager | Ari | CLEARCO | TRADE2 LLC | N | C | 12 Jan 2025 | 31 Dec 9999 | |
| TRADER3 | TRADER | TOM | CLEARCO | TRADE3 | N | B | 10 Jul 2013 | 31 Dec 9999 | |
| TRADER4 | AssetManager | Ari | CLEARCO | TRADE4 | N | C | 15 Jul 2013 | 31 Dec 9999 | |
| TRADER5 | TRADER | TOM | CLEARCO | TRADE5 | N | N | 10 Jul 2013 | 31 Dec 9999 | |
| TRADER6 | AssetManager | Ari | CLEARCO | TRADE6 | N | C | 02 Jan 2018 | 31 Dec 9999 | |
| TRADER7 | TRADER | TOM | CLEARCO | TRADE7 | N | C | 09 Jan 2017 | 31 Dec 9999 | |
| TEAM1 | AssetManager | Ari | CLEARCO | PROP1 | Y | TEAM1 | C | 07 Oct 2014 | 31 Dec 9999 |
| TEAM2 | TRADER | TOM | CLEARCO | PROP2 | Y | TEAM2 | N | 07 Oct 2014 | 31 Dec 9999 |
| TRADER8 | AssetManager | Ari | CLEARCO | HEDGE1 | N | C | 10 Jul 2016 | 31 Dec 9999 | |

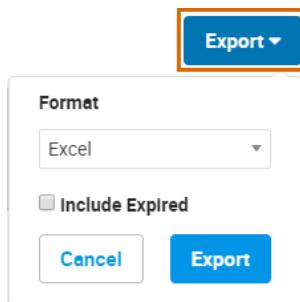
Rows per page: 1-10 of 13 C D E F G

A. Filter: Search by entered criteria

- Globex Operator ID (GOID)
- Exact Match
- Last / First Name
- Clearing Firm
- Associated Entity
- ATS team - Filter results to ATS teams only
- ATS Team Name - Search for ATS team names that contain entered criteria

B. Sort: Sort by ascending or descending order by selecting column headings:

- Name
 - Clearing firm
 - Associated entity
 - Registration type: ATS team, registered exchange(s)
 - ATS team name
 - Effective periods
- C. **Export:** Default results include active IDs only. To view expired IDs, select **Export** and filter options.



- **Type:** Excel / CSV
- **Expired:** View expired IDs (only) in a CSV or MS Excel file.
- **Active / Expired:** View active and expired IDs in a single exported CSV or MS Excel file.

D. **Register Globex Operator ID (GOID):** Available to clearing and trading firm administrators.

E. **Select Operator ID / Tag 50:** To view additional individual or ATS team details, select the **blue** linked Operator ID.

Individual

Globex Operator ID (Tag 50) Registration

Filters (HIDE)

GOID (Globex Operator ID) Exact Match

Last Name

First Name

Clearing Firm

Associated Entity

ATS Yes No

ATS Team Name

Refresh

GOID (Tag 50) Registration

Globex Operator ID - TRADER1

| | | | | |
|------------------------|-------------------|-------------------|--------------|--------------|
| Effective Date | 24 Jan 2025 | Expiry Date | 31 Dec 9999 | |
| Clearing Firm | CLEARCO | Associated Entity | TRADE1 | |
| Exchange Registrations | | | | |
| Exchange | Registration Type | Trader Type | Reg Eff Date | Reg Exp Date |
| CME | MEMBER | - | 20 Jan 2025 | 31 Dec 9999 |

Rows per page: « < Prev 1 of 2 2 Next > »

ATS Team

Operator ID Video Tutorial

[View an overview video and instructions to create Operator IDs](#)

- Granting Operator ID entitlements [Clearing Firm (C) - User Administration].
- Managing Trading Firm permissions to view a Operator ID - C - Request Center (ESS).
- Selecting Clearing Firms to manage Trading Firm (T) - Request Center (ESS).
- Registering new Operator IDs - C/T - Request Center (ESS).
- Reviewing, editing, approving Operator ID registration requests - C - Request Center (ESS).

Globex Registration on the Exchange Fee System

Additional Globex Operator ID registration and management functions are available from the [CME Exchange Fee System - Globex Registration](#) (example: editing Globex Operator ID details).

Contact Information

- To inquire about Operator ID (Tag 50) access or details, contact your clearing firm.
- For questions about access or entitlements, contact [Global Account Management \(GAM\)](#).
- For login / access issues, contact [Enterprise Access and System Entitlements \(EASE\)](#).

Registering Operator ID / Tag 50

Authorized clearing and trading firm administrators can use Request Center (ESS) functions to register new Globex Operator IDs to identify *individuals* or *Automated Trading System (ATS)* teams.

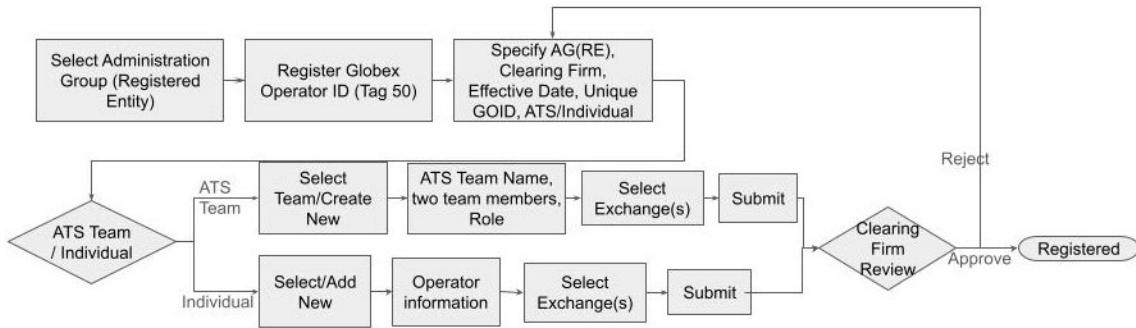
Clearing Member Firms / Registered Entities must ensure that registration details are current and accurate at all times.



See also: [CME Group Market Regulation - Rulebook Harmonization \(Rule 576\)](#)

► To Register a Operator ID / Tag 50:

The following diagram and instructions illustrate the Globex Operator ID registration process.



- From the Globex Operator ID / Tag 50 screen, select **Register GOID (Tag 50)** ([Register GOID \(Tag 50\)](#)).

Globex Operator ID (Tag 50) Registration

Filters [HIDE](#)

[Clear All](#)

GOID (Globex Operator ID) Exact Match

Last Name

First Name

Clearing Firm

Associated Entity

ATS Yes No

ATS Team Name

Apply

You have no GOIDs available

Register GOID (Tag 50)

- On the screen that appears, specify the following:

- Registered Entity:** The registered entity associated with the new Operator ID.
- Clearing (Guaranteeing) Firm:** The owner or firm responsible for the Operator ID.



Note: To populate the list with additional selections, see [Adding Clearing Firms](#).

- Effective Date:** The date the ID will be available; default is today.
- Operator ID / Tag 50:** A string of 2-18 characters; letters, numbers and symbols: _ - : @.

Globex Operator ID(Tag 50) Registration

All fields are required unless noted otherwise

Administration Group (Registered Entity)

Clearing (Guaranteeing) Firm

Effective Date

Globex Operator ID (GOID)

Must be 2-18 characters. Can contain letters, numbers and the following special characters _ - @ :

ATS Team

Individual

Exchanges To Be Registered

 CME

 CBOT

 NYMEX/COMEX

3. Select **ATS Team** or **Individual**, then specify an [exchange](#).

- a. **ATS Team:** Select a previously registered ATS Team.

ATS Team

Individual

A list of team members, including team role, appears.

- b. or, **Create new ATS Team:**

ATS Team

Individual

- i. Specify a unique (at the trading firm) **ATS Team Name**.

- ii. Add at least two team members by **searching** the membership system for registered individuals, then assign a team role.

At least one member must be **head trader**.

Create New ATS Team and Members

All fields are required

ATS Team Name

ATS Team Members

There Must Be At Least Two Members Added To The New Team, And One Has To Be A Head Trader

Search

Search

OR

[+ Add new member](#)

[Cancel](#)

[Create](#)

- iii. or, **Add new member**: Enter required information (name, date of birth, country), then select **Add**, then assign an ATS team role.

Middle name and email address are optional.

Add new ATS Team Member



All fields are required unless noted otherwise

First Name

Middle Name

Optional

Last Name

Email

Optional

Date of Birth

- Select -

Country

Select

[Cancel](#)

[Add](#)

Note: Date of birth is required for registration but not shown after Tag 50 (operator ID) creation and it is not viewable by ATS team members.

- c. **Individual**: Search for an existing individual previously registered at an entity, including users that may be previously registered on the CME Group [membership](#) system.

ATS Team

Individual

Search

Search

OR

[+ Add new INDIVIDUAL](#)

- d. or, **Add new INDIVIDUAL**

OATS Team Individual

Search

OR [+ Add new INDIVIDUAL](#)

i. Enter required fields (name, date of birth, country), then select **Add**.

Middle name and email are optional.

Add new Individual

All fields are required unless noted otherwise

| | | |
|----------------------|-----------------------------------------|----------|
| First Name | Middle Name | Optional |
| <input type="text"/> | <input type="text"/> | |
| Last Name | Email | Optional |
| <input type="text"/> | <input type="text"/> | |
| Date of Birth | <input type="text" value="- Select -"/> | |
| Country | <input type="text" value="Select"/> | |

- **Add New Individual:**

OATS Team Individual

Search

OR [+ Add new INDIVIDUAL](#)

Add new Individual

All fields are required unless noted otherwise

| | | |
|----------------------|-----------------------------------------|----------|
| First Name | Middle Name | Optional |
| <input type="text"/> | <input type="text"/> | |
| Last Name | Email | Optional |
| <input type="text"/> | <input type="text"/> | |
| Date of Birth | <input type="text" value="- Select -"/> | |
| Country | <input type="text" value="Select"/> | |

4. Select one (or more) **Exchange(s)** including the following additional information:

- **Registration Type**

| Type | Description |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 106.H | An individual trading for a firm that is an approved 106.H entity. |
| CBIP Participant | An individual trading for a firm that is a registered participant in the Central Bank Incentive Program (CBIP). |
| CTA/ Hedge Fund IP Participant | A CME (only) individual trading for a firm that is a registered participant in the CTA Hedge Fund Incentive Program. |
| Clearing Member Firm Trader | An individual trading on behalf of an Exchange Member Firm. When the User selects this user type, a Trader Type sub-category will also need to be chosen. The trader types that an individual may be classified under are as follows: Registered Commodity Trading Advisor (CTA) Independent Contractor receiving a 1099-MISC Owner of the firm with at least \$250,000 invested in the firm W-2 employee of that clearing firm |
| EMBIP Participant | An individual trading for a firm that is a registered participant in the Emerging Markets Bank Incentive Program. |
| Electronic Corp Member (106R) | An individual trading for a firm that is registered as an Electronic Corporate Member (ECM-Holding/ECM-Waiver). |
| FMIP Participant | An individual trading for a firm that is a registered participant in the Latin American Fund Manager Incentive Program (FMIP). |
| IIP Participant | An individual trading for a firm that is a registered participant in the International Incentive Program (IIP). |
| IVIP Participant | An individual trading for a firm that is a registered participant in the International Cross-Asset Volume Incentive Program (IVIP). |
| Member | The individual is a CME Group member whom is currently holding a membership. |
| Non-Member/ Customer | The individual does not qualify for any of the other registration categories and therefore, receives non-member rates. |

- **Associated Entity:** The associated clearing entity. This field is available for clearing firm users with assigned entitlements.
- **Effective Date** *Select the date when the Operator ID should be effective on this exchange, default date is the current business day.*
 - CME
 - CBOT
 - NYMEX / COMEX

Exchanges To Be Registered

CME CBOT NYMEX/COMEX

CME

Registration Type: Select

Associated Entity: Select

Effective Date: 16 Jan 2025

CBOT

Registration Type: Select

Associated Entity: Select

Effective Date: 16 Jan 2025

5. To finalize, select **Submit**.

Submitted information is validated, a confirmation or error message indicates status of the submitted registration and an email confirms registration details.

i **Note:** *Trading Firm* requests for Operator IDs are submitted to the *clearing firm* administrator for review and decision, except for operator ID requests where the creator and approver are at the same firm.
Submitted requests indicated on **My Requests - Approvals** tab; with *Open* status.

The Operator ID Registration Request has been submitted. 130280
You will receive a notification email once this request is completed. You can log into the Request Center and check the status of this request.

Globex Terminal Operator ID

Registered Entity: **+ Register Operator ID**

There are 854 results Rows per page: 20 **Export**

| Refine By | Operator ID | Last Name | First Name | Clearing Firm | Associated Entity | ATS Name | ATS Team | Exchange | Eff Date | Exp Date |
|------------------------------------------|-------------|-------------|------------|---------------|-------------------|----------|----------|----------|-------------|-------------|
| <input type="button" value="Clear All"/> | Operator ID | Operator ID | | | | N | B C N | | 08 Nov 2012 | 31 Dec 9999 |

From: CME Request Center <donotreply@cme.com>
Sent: Saturday, November 21, 2018 11:26:47 AM
To: [*@*.com](mailto: *@*.com)
Subject: Registration Completed - Request 130280

CME Group | Request Center

A request from CLEAR1 has successfully been completed.

This email is to inform you that we have created a Tag 50 that is cleared by CLEAR1.

Go to Request Center

Request Details

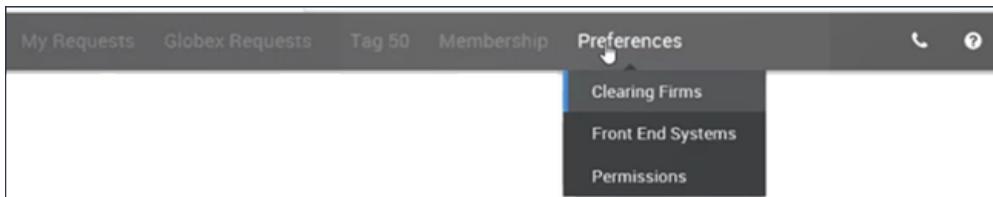
| | |
|------------------------|----------------|
| Request ID | 130280 |
| Submitting Firm | CLEAR1 |
| Tag 50 | 120120 |
| Trading Firm | TRADING TRADER |
| Effective Date | 11-Nov-2018 |

If the Operator ID already exists at the registered entity, an error message will appear.

Adding Clearing Firms

The following instructions describes the process to add clearing firms as selections for Operator IDs that you wish to register.

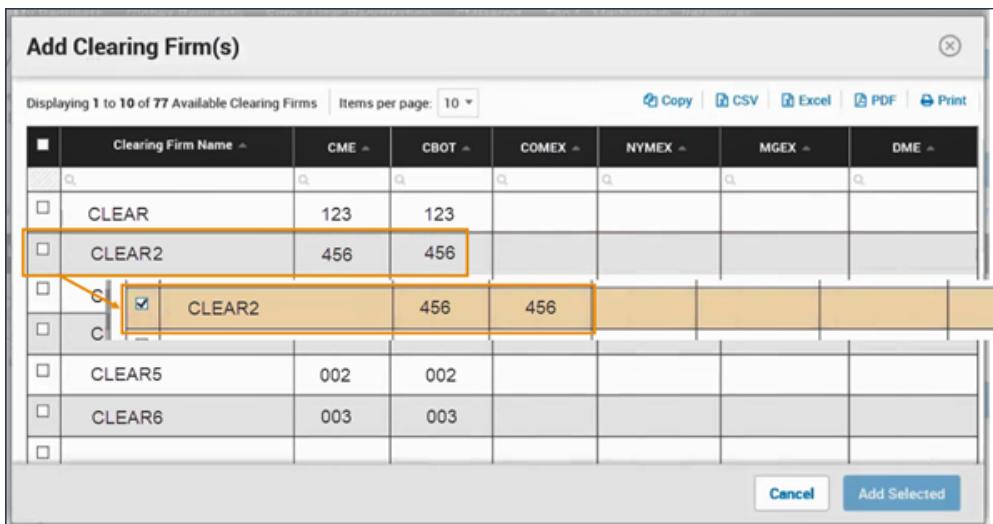
- From the Request Center (ESS) menu, select **Preferences > Clearing Firms**.



- From the My Clearing Firms page that appears, select **Add Clearing Firms**.



- From the list of clearing firms appears, **select** (checkbox) from the list of clearing firms, to associate with a Operator ID registration, then **Add Selected**.



A confirmation message appears, to indicate addition of the clearing firm(s).

The screenshot shows the 'My Requests' section of the CME Customer Center. At the top, there is a green notification box with a checkmark and the text 'Clearing Firms Added' followed by 'Your preferred Clearing Firms have been updated.' Below this, the 'My Clearing Firms' section is displayed. It includes a table with columns for 'Clearing Firm Name', 'CME', 'CBOT', 'COMEX', 'NYMEX', 'MGE', and 'DME'. The table contains two rows: 'CLEAR1' and 'CLEAR2'. The 'CLEAR2' row is highlighted with an orange border. At the bottom of the table, it says '0 items selected'. To the right of the table are buttons for 'Add Clearing Firm(s)', 'Copy', 'CSV', 'Excel', 'PDF', and 'Print'. The 'Registered Entity' is listed as 'CID00001 - CLEARING CO'. There are also 'Refresh' and 'Remove Selected' buttons.

Related Functions

Additional Operator ID registration and management functions are available from the [CME Exchange Fee System - Globex Registration](#), including [Editing Operator ID details](#) manage individual user details, effective periods, expire IDs, copy individual or ATS team.

Managing Firm Permissions

The Request Center (ESS) includes self-service capability for Clearing Firm Admin Managers to grant permission to view Operator IDs / Tag 50, associated with their Registered Entity. To request access to view registered Operator ID / Tag 50 details contact your Clearing Firm.

Prior to accessing, users must have a CME Group Login and Request Center (ESS) [entitlements](#).

Operator ID / Tag 50 management is also available in the [CME Exchange Fee \(EFS\) System](#).

► **To enable Registered Entity users to view Operator ID / Tag 50 details:**

1. From the Request Center (ESS) menu, select **Preferences > Permissions**.

The screenshot shows the 'Preferences' menu of the Request Center (ESS). The 'Permissions' option is highlighted with an orange border. The menu also includes 'Clearing Firms', 'Front End Systems', and '1' (indicating a notification). Other menu items like 'My Requests', 'BrokerTec Requests', 'EBS Requests Future & Options Requests', and 'Future & Options Requests' are also visible.

2. If you manage more than one entity, **select** from the **Registered Entity** menu; otherwise the Entity is selected. Appears only for registered entities that represent the clearing firm.
3. On the screen that appears, select the **Operator ID / Tag 50** tab.
4. For a given Trading Firm, select an **Allow View Access** option.
 - **Yes:** The Registered Entity / Trading Firm can view Operator IDs / Tag 50, associated with the selected clearing firm.
 - **No(default):** The Registered Entity / Trading Firm cannot view Operator IDs / Tag 50, associated with the selected clearing firm.

Note: To enable trading firms to register Operator IDs, [assign user entitlements](#) (Request Center - Operator ID Full Access).

Allows authorized trading firm users to view their details.

Permissions updates are effective immediately.

The screenshot shows the 'Request Center Permissions' interface. At the top, it says 'Registered Entity' with a dropdown menu showing 'CID00000 - CLEAR1' and a 'View Change Log' button. Below that is a section for 'Operator ID' with a dropdown menu showing 'Operator ID' and a '3' icon. To the right is a 'iLink Sessions' section. The main area is titled 'Operator ID View Only' and shows a table for 'Trading Firm' with a single row for 'FIRM1'. The 'Allow View Access' column has a 'Yes' button with a '4' icon. There are 'No' and 'Yes' buttons with a toggle switch between them.

Managing Operator ID User Entitlements

The CME Customer Center includes a self-service capability for Admin Managers / Application Admins, at Registered Entities, to create and manage Globex Operator ID / Tag 50 application user access, via the following roles:

- **Request Center - Operator ID / Tag 50 Read Only:** View Operator ID details, including: firm, associated entity, registration type, ATS team and effective periods.
- **Request Center - Operator ID / Tag 50 Permissions:** View Operator ID details and manage trading firm access.
- **Request Center - Operator ID / Tag 50 Full Access:** Register new Operator IDs, create ATS teams and manage team members.

Using the **User Administration** function, Admin Managers must assign Operator ID permissions to themselves and additional users that want to view Operator ID / Tag 50 details, create a new Operator ID / Tag 50 or manage ATS teams.

Assigning user entitlements and permissions begins with the firm's Entity Officer who entitles their company's Front / Back Office Admin Manager (or designated Application Administrator) who adds and manages Operator ID / Tag 50 front office user entitlements, permissions and restrictions.

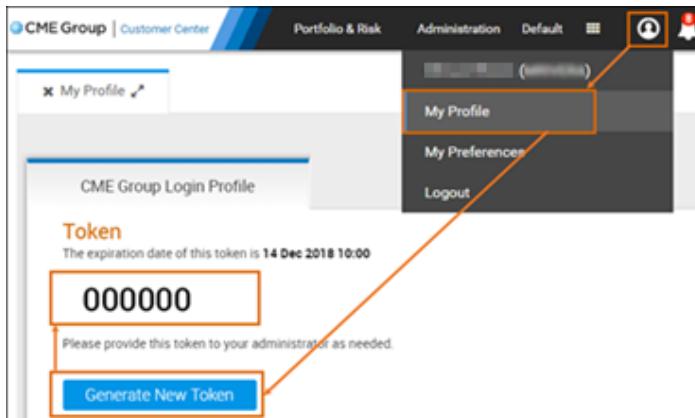
Managing Firm Access

Designated Clearing Firm Application Administrators can use the Self-Service permissions function to Manage [trading / execution firm access](#) to view details; firm, associated entity, registration type, ATS team and effective periods.

Prior to adding a new user entitlement the user must:

- Have a valid [CME Group Login ID](#).
- Existing users with an active CME Group Login ID can be assigned entitlements directly.
- New users (including users with a recently [created CME Group Login ID](#)) may be required to generate and provide a [temporary token](#) to the firm's admin manager.

To obtain a token, select **My Profile > Generate New Token**. The token is valid for seven days.



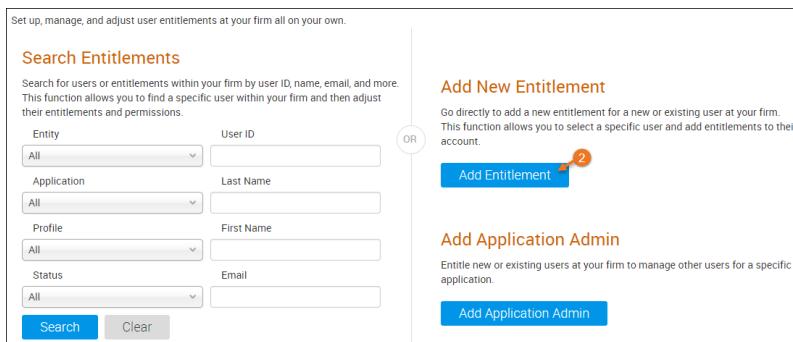
Before using application functions, Admin Managers and Application Admins must initially add individual application roles to themselves (example: [FirmSoft](#)) via User Administration process.

► **To Add User Entitlements:**

1. From the CME Customer Center - **Administration** Menu, select **User Administration**.



2. From the entitlements page that appears, select **Add Entitlement**.



3. On the Add Entitlement screen that appears, specify the following:

- **User:** Select a valid CME Group Login.
 - **+ Add User:** Add the same entitlements for additional users.
- **Entity:** Select from available entities, for which you are the authorized Admin Manager / Application Admin.
- **Application:** Request Center (ESS)
- **Profile:** Select from available entitlements:
 - **Request Center - Operator ID / Tag 50 Read Only:** View Operator ID details, including: firm, associated entity, registration type, ATS team and effective periods.
 - **Request Center - Operator ID / Tag 50 Permissions:** View Operator ID details and manage trading firm access.
 - **Request Center - Operator ID / Tag 50 Full Access:** Register new Operator IDs, create ATS teams and manage team members.

Add Entitlement

User

* ONE, USER (USERONE)

+ Add User

Entity

* CID00040 - TEST FIRM

Application

Request Center ✖

Profile

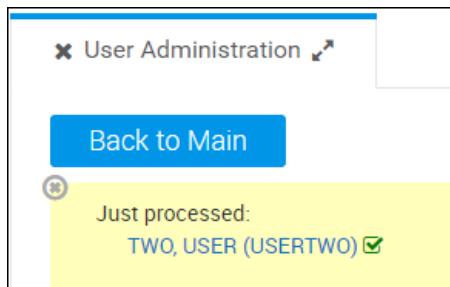
* Request Center - Tag 50 Permissions

Add Entitlement **Cancel**

4. Click **Add Entitlement**.

If prompted, enter your password.

The request is processed, a message appears and an email confirmation is sent to all Admin Managers / Application Administrators.



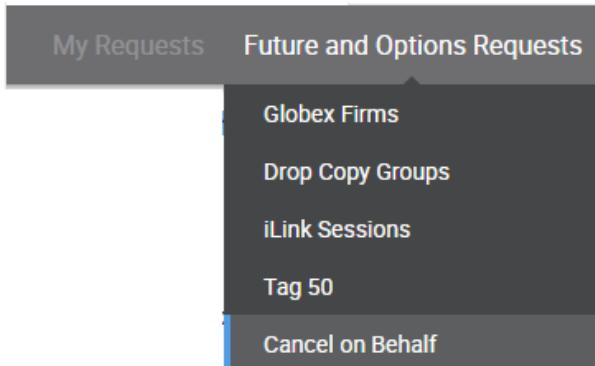
Cancel on Behalf

The Cancel on Behalf (COB) function allows authorized firm users to specify Globex Firm ID (GFID) Sessions that can cancel resting futures and options orders and mass quotes for their Order Entry / iLink sessions.

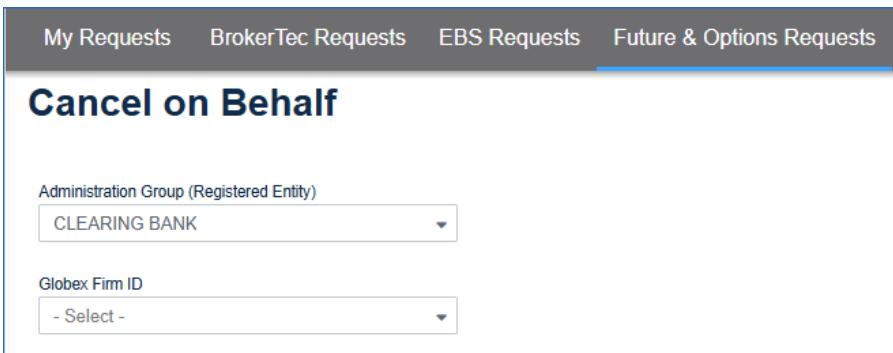
 See also: [iLink Trading on Behalf of a Client - Cancel on Behalf \(COB\)](#)

 **To access Cancel on Behalf:**

1. From the CME Customer Center menu, select **Request Center (ESS) > Futures & Options Requests > Cancel on Behalf**.



2. Select a **Registered Entity** and **Globex Firm ID** to manage.



iLink Sessions associated with the selected AG and GFID will appear.

The current status of the session is shown on the **Cancel on Behalf Enabled** column.

Cancel on Behalf

Globex Firm ID
000 - test

A maximum of **10** sessions are allowed to be enabled. You currently have **8** sessions enabled.

Filters ◀ HIDE

Clear All

Session ID Trader ID

Sender Comp

Cancel On Behalf Enabled
 Yes No

Actions ▾ Refresh ↺ Export ▾

0 sessions selected

| <input type="checkbox"/> | Session ID | Trader ID | Sender Comp | Cancel on Behalf Enabled | Action |
|--------------------------|------------|-----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <input type="checkbox"/> | A00 | 0000 | A0000 | Enabled | (a) ✖ |
| <input type="checkbox"/> | B11 | 1111 | B1111 | Enabled | (a) ✖ |
| <input type="checkbox"/> | C22 | 2222 | C2222 | Enabled | (a) ✖ |
| <input type="checkbox"/> | D33 | 3333 | D3333 | Enabled | (a) ✖ |
| <input type="checkbox"/> | E44 | 4444 | E4444 | Enabled | (a) ✖ |
| <input type="checkbox"/> | F55 | 5555 | F5555 | Disabled | (a) ⓘ |
| <input type="checkbox"/> | G66 | 6666 | G6666 | Disabled | (a) ⓘ |
| <input type="checkbox"/> | H77 | 7777 | H7777 | Disabled | (a) ⓘ |

Rows per page : 10 ▾ 1-8 of 8 ◀◀ ◀ Prev 1 of 1 Next ▶▶

3. Select from available Session IDs (up to ten).

Actions ▾

- a. Select up to ten sessions, then select **Actions** > **Enable Cancel on Behalf** or **Disable Cancel on Behalf**.

Cancel on Behalf

The following 2 sessions will be enabled for Cancel on Behalf.

| Session ID | Trader ID | Sender Comp |
|------------|-----------|-------------|
| B11 | 0000 | B11111 |
| C22 | 1111 | C11111 |

[Cancel](#) [Enable for Cancel on Behalf](#)

or

- b. **Enable / Disable COB:** From the sessions list, on the *Action* column select **Enable** or **Disable**.



On the dialog that appears, confirm the selection.

| Enable Cancel on Behalf | | |
|---------------------------------------------------------------|-----------|-------------|
| X | | |
| The following 1 session will be enabled for Cancel on Behalf. | | |
| Session ID | Trader ID | Sender Comp |
| B11 | 1111 | B11111 |

| Disable Cancel on Behalf | | |
|----------------------------------------------------------------|-----------|-------------|
| X | | |
| The following 1 session will be disabled for Cancel on Behalf. | | |
| Session ID | Trader ID | Sender Comp |
| A00 | 0000 | A00000 |

i **Note:** After completing the action, a confirmation message appears and an email is sent to the requestor.

✓ The request to update Cancel on Behalf entitlements for your sessions has been X submitted. Check your request status under the My Request tab.

BrokerTec Requests

Request Center (ESS) - BrokerTec Requests is a self-service function used to create and manage entity information for CME Globex - BrokerTec entities.

For additional details, refer to the [New BrokerTec customer onboarding to CME Globex - Operational Readiness Guide](#) on the BrokerTec portal.

BrokerTec Request Functions:

- [Globex Firm IDs](#): Create and manage CME Globex Firm ID that identifies market participants and is used to segregate customer or business unit activity.
- [Globex User Signature](#): Create and manage Globex User Signatures (GUS) that Identifies BrokerTec participants (persons or algo operators) authorized to manage a group of market participants and submit orders for a given GFID.
- [Algorithmic Trading](#): Identify algorithmic trading systems used by the GFID and GUS and submit an Algorithmic Trading Certification Form.
- [Drop Copy Groups](#): Create and manage sessions that can receive trading activity communications via the iLink order entry gateway.
- [Order Entry Sessions](#): Create and manage Order Entry sessions that are used to send and receive orders and confirmation [messages](#) between the client and host.

 **Note:** Using self-service functions, users can create a **SenderComp** [a concatenation of the Globex Firm ID (GFID), Order Entry Session (Session ID) and a Fault Tolerance Indicator (FTI)], to submit production environment orders.

The FTI is not managed in Request Center (ESS), but it can be submitted in messages.

See also: [Cancel on Behalf - SenderComplD / iLink Order Entry - Fault Tolerance](#).

- [Market Data Session](#): Create and manage sessions that can access TCP market data via an API connection.

BrokerTec Globex Firm ID

Using the BrokerTec Requests - Globex Firm ID self-service function, authorized users can create and manage Globex Firm IDs (GFID), which identifies market participants and is used to segregate customer or business unit activity. A GFID is the Globex equivalent of the legacy BrokerTec firm signature.

- An entity can have more than one GFID for each venue / market.
- A GFID and associated GUS can only be assigned to one company but multiple GFIDs can be created for a Registered Entity / Administration Group.

The following instructions describe the process how to set up a Globex Firm ID (GFID).



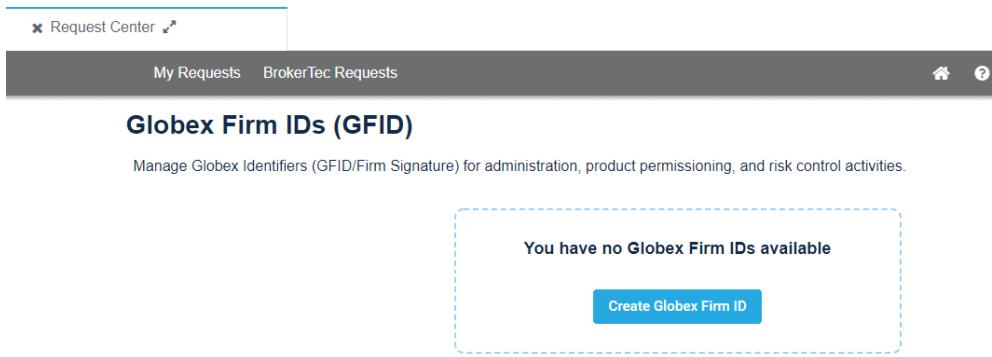
► To create a Globex Firm ID:

1. From the Request Center (ESS) menu, select **BrokerTec Requests >Globex Firm IDs**.



The Globex Firm IDs page opens in a new tab.

2. On Globex Firm ID page, select **Create Globex Firm ID**.



3. Enter GFID information in four steps: [1. GFID Information](#), [2. Venue Information](#), [3. Order Entry](#), [4. Market Data](#), [5. Confirm / Submit](#).

Step 1: GFID Information

Globex Firm IDs (GFID)

Create Globex Firm ID

Step 1: GFID Information

Step 2: Order Entry Products

Step 3: Market Data Products

Step 4: Confirm

Globex Firm ID Information

| | |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Globex Firm ID Name <small>•</small> | <input type="text"/> |
| Effective Date | <input type="text" value="04/05/2021"/> |
| Market | <input type="button" value="Select..."/> <small>•</small> <input type="button" value="Select..."/> <small>Administration Group (AG) •</small> |
| Geographical Location | <input type="button" value="Select..."/> <small>•</small> |

- **GFID:** Enter a five character alphanumeric identifier that is unique at the entity.
- **Globex Firm ID Name:** Specify a unique (at the entity) market participant name.
- **Effective Date:** Defaults to today.

The time is represented in U.S. Central Time. As applicable, adjust for your own time zone.

- **Market:** BrokerTec U.S. or BrokerTec EU*

*BrokerTec EU / UK - GFID creation requires a response to *Transaction Reporting* questions.

- **Geographical Location:** system specified based on AG location
- **Transaction Reporting**(Required for BrokerTec EU - also applicable for UK based firms): The following questions are intended to determine if your firm is under the scope of MiFIR or UK MiFIR, and has an obligation to report transactions to the relevant competent authority.

- **Applicable for participants of the BrokerTec EU MTF (UK trading venue)**

Please confirm if the participant is a UK MIFID Investment Firm or is trading on the trading venue through a UK branch or is otherwise required to comply with the transaction reporting requirements of Article 26 of UK MiFIR.

- **Applicable for participants of the BrokerTec EU Regulated Market (EU trading venue)**

Please confirm if the participant is an EEA MIFID Investment Firm or is trading on the trading venue through an EEA branch or is otherwise required to comply with the transaction reporting requirements of Article 26 of MiFIR.

- By selecting **Yes**, the participant is deemed to report all transactions in financial instruments executed by the participant on the trading venue.

- By selecting **No**, the operator of the trading venue shall report the details of transactions in financial instruments executed by the participant on the trading venue.



Note:

Pursuant to Article 26(5) of Regulation (EU) 600/2014 (MiFIR) and as onshored (UK MiFIR), trading venue operators are required to report details of transactions which are executed through their systems by a firm which is not itself subject to the MiFIR transaction reporting regime. Transactions executed by participants which are required to transaction report under MiFIR (e.g. MiFID firms or UK MiFID firms) should be reported by the participant and not the trading venue operator. The following question is intended to determine if your firm falls under the scope of UK MiFIR, and has an obligation to report transactions to the relevant competent authority.

! If you are uncertain how to respond to these questions, or your firm's regulatory status and require guidance, please consult with your firm's legal or compliance team.

Pursuant to Article 26(5) of Regulation (EU) 600/2014 (MiFIR) and as onshored (UK MiFIR), trading venue operators are required to report details of transactions which are executed through their systems by a firm which is not itself subject to the MiFIR transaction reporting regime. Transactions executed by participants which are required to transaction report under MiFIR (e.g. MiFID firms or UK MiFID firms) should be reported by the participant and not the trading venue operator. The following questions are intended to determine if your firm falls under the scope of MiFIR or UK MiFIR, and has an obligation to report transactions to the relevant competent authority.

! If you are uncertain about how to respond to these questions, or your firm's regulatory status, please consult with your legal or compliance team for guidance.

Applicable for participants of the BrokerTec MTF (UK trading venue)

Please confirm if the participant is a UK MiFID Investment Firm or is trading on the trading venue through a UK branch or is otherwise required to comply with the transaction reporting requirements of Article 26 UK MiFIR.

Yes No

Applicable for participants of the BrokerTec Regulated Market (EU trading venue)

Please confirm if the participant is an EEA MiFID Investment Firm or is trading on the trading venue through a EEA branch or is otherwise required to comply with the transaction reporting requirements of Article 26 MiFIR.

Yes No

Note: If Yes is selected, the participant is deemed to report all transactions in financial instruments executed by the participant on the trading venue.

If No is selected, the operator of the trading venue shall report the details of transactions in financial instruments executed by the participant on the trading venue.

- Administration Group (AG):** A logical grouping of GFIDs that identifies the client entity, with a designated individual that is assigned entitlements to manage GFIDs, details and the ability to create groups of GFIDs for administrative / service management and transaction separation.

Step 2: Venue Information

Select the trading **Venue**: [BrokerTec Globex](#) / [BrokerTec Stream](#)

If **BrokerTec Stream** is selected, specify the default [GUS](#) to enable and whether they are a **liquidity provider** or **consumer**.

Globex Firm IDs (GFID)

GFID: TEST5
GFID Name: test
Market: BrokerTec US
AG:

Create Globex Firm ID

Step 1: GFID Information Step 2: Venue Information Step 3: Order Entry Products Step 4: Market Data Products Step 5: Confirm

Venue Information

Venue

BTEC Globex BTEC Stream

Back **Cancel** **Next**

Version 3.8.0-SNAPSHOT

Step 3: Order Entry Products

Select product(s) that can be traded or *none*; to continue creating a GFID without trading privileges.

REPO product requests require CME Group review and approval prior to completion.

Globex Firm IDs (GFID)

Create Globex Firm ID

Step 1: GFID Information Step 2: Venue Information Step 3: Order Entry Products Step 4: Market Data Products Step 5: Confirm

Order Entry Products

Select products from the list to the right that will be used for trading. If no trading is desired proceed to the next step.

Select All
 0ACTIVES 0RPSPECL
 BILLS GC-REPO
 STREAMS-UST A

AG: GFID: TEST5
Market: BrokerTec US
Venue: BTEC Globex

Back **Cancel** **Next**

Version 3.8.0-SNAPSHOT

- **Order Entry Access Groups:**

Step 4: Market Data

- **Market Data Access Groups:** based on order entry product selections.
- **Volume Weighted Average Price:** This option (applicable for some products) may incur extra fees. For additional details, refer to [Market Data service license types and costs](#) on the BrokerTec Portal.
- **Additional Market Data Product Groups:** Select additional products to view market data; these may be products not selected in the order entry screen.

Globex Firm IDs (GFID)

Create Globex Firm ID

Step 1: GFID Information Step 2: Order Entry Products Step 3: Market Data Step 4: Confirm

Market Data Products

Products are automatically included for Market Data based on the selected Order Entry Products and cannot be removed.

If additional Market Data Products are desired, they can be added from the multi-select box on the right.

Market Data Access Groups

ACTIVES GC-REPO

Volume Weighted Average Price

Additional Market Data Product Groups Optional

Select a product...

Back **Cancel** **Next**

4. **Step 5. Confirm** entered information, **Edit** GFID details (if necessary), then select **Confirm and Submit**.

Globex Firm IDs (GFID)

Create Globex Firm ID

Step 1: GFID Information
Step 2: Order Entry Products
Step 3: Market Data
Step 4: Confirm

Please review the details below to ensure the information is accurate before submitting.

Globex Firm ID Information

Edit

GLOBEX FIRM ID (GFID) DETAILS
 Globex Firm ID Name: testtest
 Effective From: May 05, 2020
 Market: BrokerTec US
 Administration Group: BARCLAYS CAPITAL, INC.

Order Entry Products Information

Edit

ORDER ENTRY ACCESS GROUPS
 ACTIVES GC-REPO

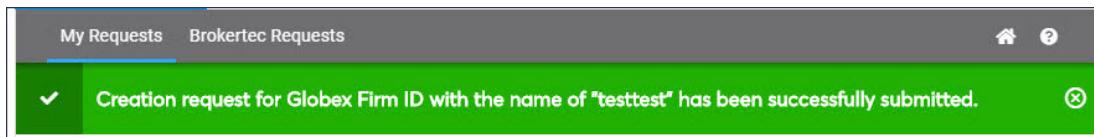
Market Data Products Information

Edit

MARKET DATA ACCESS GROUPS
 ACTIVES GC-REPO
 ADDITIONAL MARKET DATA ACCESS GROUPS
 BILLS
 Volume Weighted Average Price: Yes

Back
Cancel
Confirm and Submit

Successful submission is indicated by a confirmation banner and the new GFID appears on **My Requests** and the GFID page.



In addition to the GFID, [Globex User Signature \(GUS\)](#) setup is required. A GUS identifies a person authorized to manage the GFID and submit orders.

After GFID creation (and approval), set up [Order Entry](#) sessions and required APIs - iLink Order Entry, Market Data, Drop Copy, CME STP, Reference Data, GC Allocator API.

BrokerTec GFID Functions

- **Include Expired:** by default only active GFIDs appear.
- **Refresh** - Include recently added GFIDs.
- **Export:** Download the list of GFID as a .csv file.
- **Sort / Filter:** Enter search criteria in the top row, matching results appear as you type / select heading to sort ascending or descending.

Globex Firm IDs (GFID)

The Globex Firm ID (GFID / Firm Signature) has both technical and business aspects. From a business perspective, it is used to segregate activity for administration, product permissioning, and risk control. Technically, it is used to establish the software logical connection to CME Globex.

Include Expired
[Export](#)
[Create Globex Firm ID](#)
[Sort](#)

| GFID | GFID Name | AG | Legal Entity | Market | Effective Date | Status | Actions |
|------|--------------------------|-----------------------------------------|-----------------------------------------|--------------|----------------|--------|---------------------------------------------------------------------|
| 3Y5 | Sara Test Globex Firm US | EUGENE INVESTMENT & SECURITIES CO., LTD | EUGENE INVESTMENT & SECURITIES CO., LTD | BrokerTec US | 04/16/2020 | active | Edit Delete Details |

- View Details:** On the main Globex Firm ID page, expand a listed GFID to view additional details; [Order Entry](#) and [Market Data](#) Product Groups.

Globex Firm IDs (GFID)

The Globex Firm ID (GFID / Firm Signature) has both technical and business aspects. From a business perspective, it is used to segregate activity for administration, product permissioning, and risk control. Technically, it is used to establish the software logical connection to CME Globex.

Include Expired

Export Create Globex Firm ID

| GFID | GFID Name | AG | Legal Entity | Market | Effective Date | Status | Actions |
|------|--------------------------|-----------------------------------------|-----------------------------------------|--------------|----------------|---------------------------------------------------------------------|--------------------------|
| 3Y5 | Sara Test Globex Firm US | EUGENE INVESTMENT & SECURITIES CO., LTD | EUGENE INVESTMENT & SECURITIES CO., LTD | BrokerTec US | 04/16/2020 | active <input checked="" type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> |

ORDER ENTRY PRODUCT GROUPS **MARKET DATA PRODUCT GROUPS** **ADDITIONAL MARKET DATA PRODUCT GROUPS**

RP-SPECIALS ACTIVES RP-SPECIALS ACTIVES GC-REPO GCF-BONY

Volume Weighted Average Price: Yes

- Delete (Delete):** Select delete and the confirmation dialog.
- Edit (Edit):** Select, then update GFID fields as necessary.
- Field Validation:** Fields are validated before advancing to the next screen.

Globex Firm IDs (GFID)

Create Globex Firm ID

Step 1: GFID Information Step 2: Order Entry Products Step 3: Market Data Step 4: Confirm

Globex Firm ID Information

Globex Firm ID Name Globex Firm ID Name is required

Effective Date Market is required

Market Market is required

Administration Group (AG) Administration Group (AG) is required

Cancel

BrokerTec Globex User Signature

Using the Globex User Signature self-service function, authorized users can create and manage Globex User Signatures (GUS), which identify the person or algo operator authorized to submit orders for a specific GFID for the entity. A GUS is the Globex equivalent of the legacy BrokerTec user signature and is associated with just one GFID. An individual person can be assigned the responsibility for the GUS; to manage multiple GFIDs.

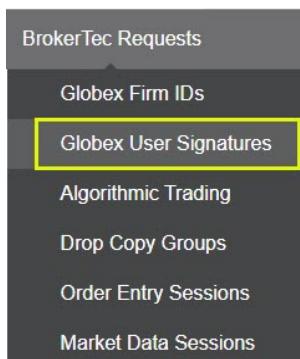
 Watch a short [video](#) that describes and illustrates the process to view and create Globex User Signatures (GUS).

Accessing BrokerTec Globex User Signature

The following instructions illustrate the process to access the BrokerTec Globex User Signatures (GUS) function.

 **To access BrokerTec Globex User Signature:**

1. From the *BrokerTec Requests* menu, select **Globex User Signature**.
2. From the Request Center (ESS) menu, select **BrokerTec Requests > Globex User Signatures**.

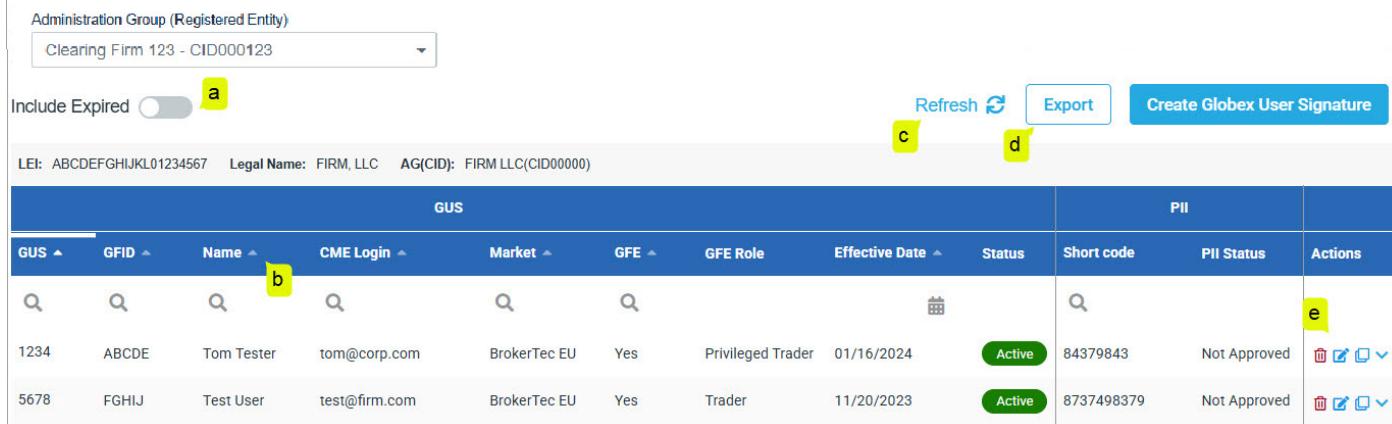


3. If you have administrator entitlements for more than one entity, select the **Administration Group (Registered Entity)** to manage from the drop-down menu.

On the list of GUS identifiers, a header bar displays the currently selected AG/Registered Entity.

Globex User Signature (GUS)

The Globex User Signature (GUS) is an identifier assigned to a particular participant on CME Globex. Establish and/or maintain GUS information. For US Treasury off the run access/removals, please contact ICAP Securities at (212) 815-9091 or email EOperationsUS@us.icap.com



| GUS | | | | | | | | | | PII | |
|------|-------|------------|---------------|--------------|-----|-------------------|----------------|--------|------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GUS | GFID | Name | CME Login | Market | GFE | GFE Role | Effective Date | Status | Short code | PII Status | Actions |
| 1234 | ABCDE | Tom Tester | tom@corp.com | BrokerTec EU | Yes | Privileged Trader | 01/16/2024 | Active | 84379843 | Not Approved |   |
| 5678 | FGHIJ | Test User | test@firm.com | BrokerTec EU | Yes | Trader | 11/20/2023 | Active | 8737498379 | Not Approved |   |

BrokerTec GUS features

- a. **Include Expired:** View all GUSs, including expired.
- b. **Search / Filter:** Enter search criteria in the top row, results update as you type, or select the column heading to sort by ascending / descending order.
- c. **Refresh:** Reload the page to view added, updated, deleted GUSs.
- d. **Export :** Export the list of GUSs to a .csv format file for review offline. To export specific records, first enter search criteria in column headings.
- e. **Actions:**
 - [Expire](#) the selected GUS, including associated registered algorithms.
 - [Edit GUS details](#) ([step 1 GUS Details](#), [step 2 Order Entry Products](#), [step 3 Market Data Products](#)).
 - [Clone](#) an existing user's configuration for a new user.
 - [View summary GUS details](#), without accessing edit mode.
- f. **Page Navigation:** Below the list are page appearance features to change the number of GUS identifier **rows**

Rows per page : 10 1-10 of 111

10
 25
 50
 75
 100

that appear or navigate *pages*

<< | < Prev | 1 of 6 | 2 | 3 | 4 | 5 | 6 | Next > | >>

of additional GUS identifiers.

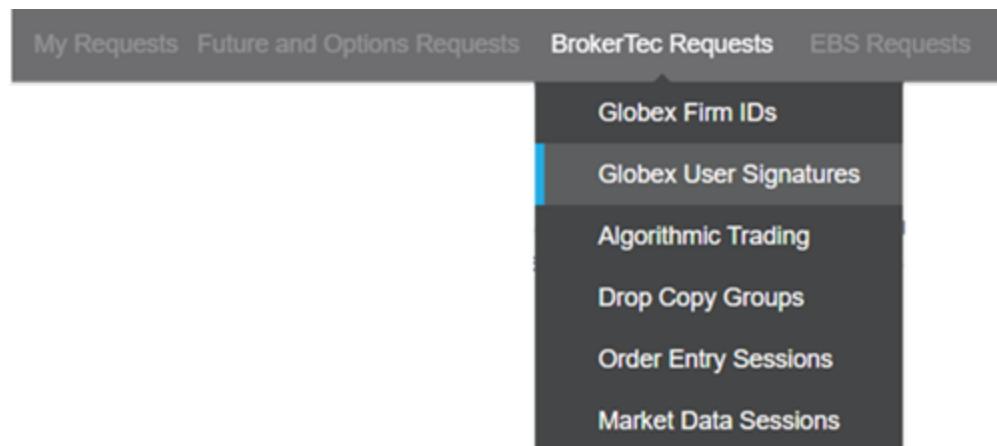
Additional Functions

- [Accessing BrokerTec Globex User Signature](#)
- [Creating a BrokerTec Globex User Signature](#)
- [Cloning BrokerTec Globex User Signature](#)
- [Expiring a BrokerTec Globex User Signature](#)

Creating a BrokerTec Globex User Signature

► [To create a Globex User Signature \(GUS\):](#)

1. From the *BrokerTec Requests* menu, select **Globex User Signature**.



2. On Globex User Signature page, select **Create Globex User Signature** then enter GUS Details:

- Step 1: GUS Information
- Step 2: Order Entry Products
- Step 3: Market Data Products

The Globex User Signature (GUS) is an identifier assigned to a particular participant on CME Globex. Establish and/or maintain GUS information. For US Treasury off the run access/removals, please contact ICAP Securities at (212) 815-9091 or email OperationsUS@us.icap.com

You have no Globex User Signatures available

Create Globex User Signature

3. GUS information (Step 1):

Globex User Signature (GUS)

Create Globex User Signature

Step 1: GUS Information **Step 2: Order Entry Products** **Step 3: Confirm**

Globex User Signature Information

Associated Globex Firm ID ⓘ

Search for GFID...

Globex User Signature ⓘ

Effective Date ⓘ 02/29/2024

GLOBAL FRONT END DETAILS

Global Front End Access Select...

Cancel **Next**

- Associated Globex Firm ID:** Select the Associated Globex Firm ID that this Globex User Signature will manage. This GFID must be created prior to creating / assigning a GUS.
Select the Globex Firm ID (GFID) to which this Globex User Signature (GUS) will be entitled.
 - **Globex User Signature:** Specify a unique name for the GUS, unique at the firm and up to five characters.
 - **Effective Date:** Defaults to today's date. The effective date defaults to today's date as represented in U.S. Central Time; adjust for your own time zone.
- Global Front End (GFE) Details (Yes):** Select to enable Global Front End application access (Yes / No) then specify additional options:

GLOBAL FRONT END DETAILS

| | | |
|-------------------------------------|------------------------|-------------------------------------------------------------------|
| Global Front End Access | Global Front End Roles | <input checked="" type="checkbox"/> Allow To Move Bids And Offers |
| Yes | Trader | |
| Genium ID | Optional | <input checked="" type="checkbox"/> View Orders Across GFIDs |
| Genium123 | | |
| CME Group Login ID <small>i</small> | Token <small>i</small> | |
| testgfid1 | 123456 | Confirm CME Group Login |
| | | Cancel Next |

- **Global Front End Roles:**
 - **Read Only Trader** - Can access GFE and view orders,
 - **Trader** - Can create and submit orders and cancel their own orders,
 - **Privileged Trader** - Can create and submit orders and cancel orders for the entire firm. This user also receives [FirmSoft](#) access, which allows the user to view and cancel orders for the firm.
 - **Repo Trader** - When requesting Repo Trader access, ensure that the selected role is **External Privileged Trader** or similar
- **Allow to Move Bids and Offers:** Assign entitlement for bulk order management in the GFE - Bulk Order Management (BOM) function, which enable users to select orders to modify bid and offer prices then adjust the prices up or down.
- **Genium ID:** (for *Traders* and *Privileged Traders*) Specify the legacy Genium ID (if applicable) that will be assigned GFE access.
- **View Orders across GFID:** If the user is assigned to manage multiple GFIDs, selecting this option enables the user to view all orders (in GFE) for multiple GFIDs.
- **Self Match Prevention ID** (applicable for GFE front end traders): Specify the default self-match prevention ID to add to orders submitted by the GFID.
- **SMP instructions** (applicable for GFE front end traders): Specify default order handling - (1) Keep the first order and cancel the second order *or* (2) Cancel the first order and keep the second order.

c. **CME Group Login:** Select one of the following:

- i. Select an existing CME Group Login associated with the firm.

| | |
|----------------------------------------------|----------------|
| CME Group Login ID <small>i</small> | Confirm |
| Select... | |
| Tom Tester - TEST123 Ted Tester - TEST456 | |

- ii. Add a CME Group Login (not available to an Admin user), including the [token](#), then select the **Confirm** button.

The screenshot shows two sequential steps in the CME Customer Center:

- Step 1: Add a new CME Group Login ID**
A dropdown menu shows 'TEST123' selected. A yellow box highlights the dropdown and the 'Add a new CME Group Login ID' button below it. A note below the dropdown says 'No options'.
- Step 2: Confirm CME Group Login**
A new window shows 'TEST123' in a dropdown and a 'Token' input field. A yellow box highlights the 'Token' field with the error message 'Token is required'. A blue 'Confirm CME Group Login' button is highlighted with a yellow box.

Note: The Email address associated with the CME Group Login must match the firm's domain or its related affiliates.

- iii. **Global Front End Access (No):** Select if Global Front End application access is not required.

GLOBAL FRONT END DETAILS

Global Front End Access
No

You need to associate a contact with this Globex User Signature (GUS), please choose a contact type below to add one.

Contact Type
Select...
CME Group Login ID
Email Address
Enter contact manually

Also specify user contact info: CME Group Login ID (see above [instructions](#)), Email address or User Contact info.

- **Email Address** *Lookup email addresses associated with other CME Group applications and copy the*

Contact Type
Email Address

Search Email Address
Enter search term... **Search**

information to contact fields.

- **Enter contact manually**

You need to associate a contact with this Globex User Signature (GUS), please choose a contact type below to add one.

Contact Type
Enter contact manually

First Name Middle Name Optional Last Name

Email Address

Phone Number Phone Type
Select...

4. Step 2 Order Entry Products

- Select products that will be used by the GFID/GUS for trading.

GFIDs, and associated products, registered in the EU, require a *Short Code*.

- Selected Repo products require CME Group approval before the GUS is activated.
- To request off-the-run access, contact ICAP securities at the phone number / email on the page.
- Short Code:** The short code identifies the person or ATS operator responsible as the financial / executing decision maker, on each order and associates a GUS with Personally Identifiable Information (PII) which is required for regulatory purposes.

Short Codes are mapped to the person's national ID and must be unique within the GFID. Each GFID can be associated with multiple GUS, and each GUS will have a unique associated short code.

Only one individual / natural person short code may be associated with a given Operator ID and GUS; additional person short codes may be registered using a separate GUS for each. One or more short codes may be associated with an Operator ID which represents an individual overseeing the administration and operation of an ATS.

- A *natural person GUS* with access to the order book may only be used by the identified person and may not be used by any other natural person entity user and may not be used for orders entered by an ATS. It is used on order messages in lieu of a personal identifier.
- For *algorithmic systems*, register one or more short codes for a GFID and GUS. The short code must meet the following conditions:
 - unique for each set of code or trading strategy that constitutes the algorithm.
 - used consistently when referring to the algorithm or version of the algorithm once assigned.
 - unique over time.

Note: As part of the product entitlement process for a GUS / Trader to be allowed to trade MiFID regulated products, Participants must also submit PII information. Failure to submit PII data will result in the GUS / Trader not being allowed to trade. For details see the following:

- [PII Data Submission User Guide](#)
- [Personally Identifiable Information \(PII\) instructions](#)

5. Specify Market Data Products (Step 3).

Note: Applicable if Global Front End access is selected.

For selected Order Entry Product(s) selection(s), Market Data products are automatically selected.

Select additional, as necessary.

Market Data Products

Products are automatically included for Market Data based on the selected Order Entry Products and cannot be removed.

If additional Market Data Products are desired, they can be added from the multi-select box on the right.

Market Data Access Groups
EGB

Additional Market Data Access Groups
Select... Optional

Back **Cancel** **Next**

6. Select **Next** then **Confirm and Submit**.

Globex User Signature (GUS)

Edit Globex User Signature

Step 1: GUS Information **Step 2: Order Entry Products** **Step 3: Market Data Products** **Step 4: Confirm**

Please review the details below to ensure the information is accurate before submitting.

Globex User Signature Information

ASSOCIATED GLOBEX FIRM ID
GFID: ABCDE
Market: BrokerTec EU
AG Name: FUTURES LLC

GLOBEX USER SIGNATURE (GUS) DETAILS
GUS: 1234
CME Group ID: tom@corp.com
Global Front End Access: Yes
Effective from: March 06, 2024
Allow to Move Bids and Offers: Yes
View Orders Across GFIDs: No

Order Entry Products Information

ORDER ENTRY ACCESS GROUPS
EU Repo (LCH SA)-GERMANY

_shortcode: 123456

Market Data Products Information

MARKET DATA ACCESS GROUPS
EU Repo (LCH SA)

ADDITIONAL MARKET DATA ACCESS GROUPS
No Products selected

Volume Weighted Average Price: Yes

Back **Cancel** **Confirm and Submit**

Successful submission is indicated by a confirmation banner, confirmation email and the GUS will appear on **My Requests**.



Note: After creating a GFID and GUS, create [order entry sessions](#) to transmit orders and handle order related messages.

Cloning a BrokerTec Globex User Signature

The following instructions illustrate the process to clone an existing GUS as the basis for a new GUS.



Example: A new user joins a team that manages BrokerTec trades for a given GFID.



To Clone a BrokerTec GUS:

- From the Globex User Signature page, select the **clone** (copy) icon (in the Actions column) for an existing GUS to copy. Use the above fields for additional details on specifying GUS details.

- Step 1: [GUS Information](#)

The Associated GFID is copied from the source as the basis for the new GUS.

Globex User Signature: Specify a new and unique Globex User Signature name.



Note: To complete setup, the administrative user cloning a GUS must obtain the person's [CME Group Login ID](#) and [Token](#).

CME Group or the admin user will never ask for the associated password.

- Step 2: [Order Entry Products](#).
- Step 3: [Market Data Products](#).

- Review, then **Confirm and Submit**.

Expiring a BrokerTec Globex User Signature

BrokerTec Globex User Signature includes a function to expire previously registered identifiers that are no longer needed / not-used.



To expire a BrokerTec GUS:

- From the *BrokerTec Requests > Globex User Signature* page, select the **Expire** (trash) icon (Actions column).

Globex User Signature (GUS)

The Globex User Signature (GUS) is an identifier assigned to a particular participant on CME Globex. Establish and/or maintain GUS information. For US Treasury off the run access/removals, please contact ICAP Securities at (212) 815-9091 or email EOperationsUS@us.icap.com

Include Expired

Refresh

Export

Create Globex User Signature

LEI: ABCDEFGHIJKL01234567 Legal Name: FIRM, LLC AG(CID): FIRM LLC(CID00000)

GUS

GUS ▾ GFID ▾ Name ▾ CME Group Login ▾ Email Address ▾ AG ▾ Legal Entity ▾ Market ▾ GFE ▾ GFE Role ▾ Effective Date ▾ Status ▾ Actions

1234 ABCDE Tom Tester tom@corp.com FUTURES, LLC FUTURES, LLC BrokerTec EU Yes 11/16/2023

Expire

- On the dialog that appears, confirm the expiration request.



The selected GUS and associated trading systems will be expired.

Note: To view Algorithmic trading systems associated with the GUS (before expiring), search the Algorithmic Trading function for the GUS, then expand the Algorithm Name field.

Algorithmic Trading (Algo's)

| GFID | GUS | Algo Owner | Legal Entity | Market | Algorithm Name | Short Code | Certification Date | Status | Actions |
|------|-------|------------|--------------|--------------|----------------|------------|--------------------|--------|---------|
| 1234 | ABCDE | Tom Trader | FUTURES, LLC | BrokerTec EU | 1 Algorithm(s) | gg | ax | Active | |

3. If necessary, assign a new GUS for the associated GFID.

Note: To view the expired GUS, select [Include Expired](#), from the filter above the GUS list.

Algorithmic Trading

Use the BrokerTec Algorithmic Trading function to view trading systems used by the GFID and GUS and submit an Algorithmic Trading Certification information.

Note: Pursuant to rule 23.4 of the [BrokerTec EU RM Rulebook](#) and [BrokerTec EU MTF Rulebook](#), Algorithmic trading participants shall certify in advance of deployment that the algorithms they deploy have been tested to avoid contributing to or creating disorderly trading conditions prior to the deployment or substantial update of a trading algorithm or strategy and explain the means used for that testing.

Prior to registering Algorithmic Trading systems, ensure the [GFID](#) and [Globex User Signature \(GUS\)](#) is created.

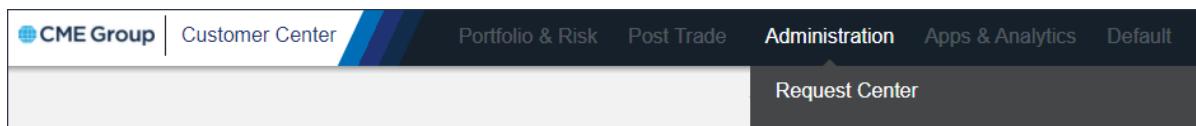
To enable access to Request Center (ESS) - Algorithmic Trading functions, authorized Front Office Admin Managers must use the User Administration function to authorize users to **view** and/or **manage** this function via the user role: [Request Center - ALGO Read-Only / Full](#).

From *BrokerTec Requests* - Algorithmic Trading the following functions are available:

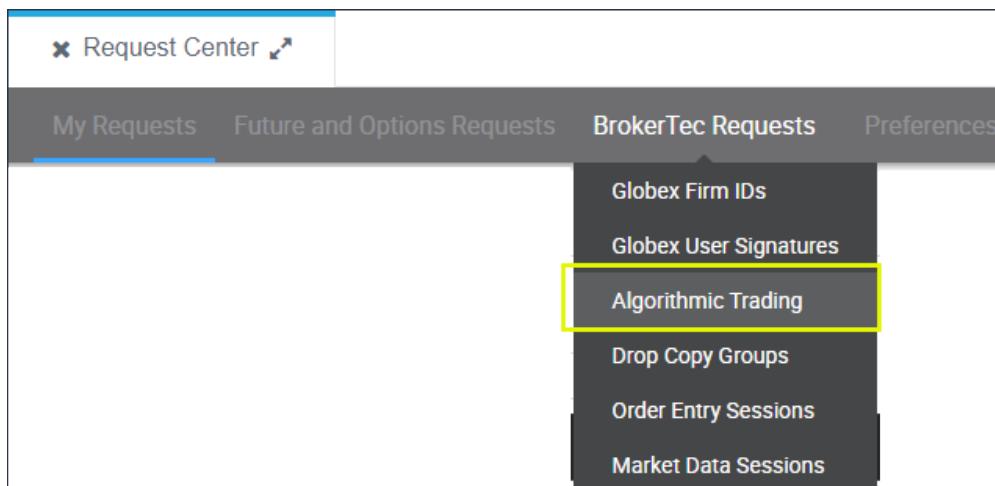
- [Access Algorithmic Trading function](#)
- [Assign Algo to GFID Owner](#): Associate an Algorithmic trading system with a GFID and GUS.
 - [Attach Certification documents / Enter information](#)
- [Annual Algorithmic System Certification](#)
- [Update Algorithmic Trading System Owner \(GUS\) Information](#)

► **To access Algorithmic Trading:**

1. From the CME Customer Center Menu, select **Administration > Request Center (ESS)**.



2. From the Request Center (ESS) menu, select **BrokerTec Requests > Algorithmic Trading**.



For the Administrative Group you are authorized to view, a list of associated Algorithmic Trading systems appears.

| Algorithmic Trading (Algo's) | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|--------------|--------------|------------------|--------------|--------------------|------------|----------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Include Inactive Refresh Export Assign Algo(s) to Owner | | | | | | | | | |
| GFID | GUS | Algo Owner | Legal Entity | Market | Algorithm Name | Short Code | Certification Date | Status | Actions |
| 11111 | GUS1 | Sandra Loddon | CLEAR CORP | BrokerTec EU | + 1 Algorithm(s) | RSALGO123456 | 54321098765 | 11/22/2020 | Active |
| 22222 | GUS2 | | CLEAR CORP | BrokerTec EU | + 1 Algorithm(s) | | | | Active |
| 33333 | GUS3 | Sandra Loddon | CLEAR CORP | BrokerTec EU | + 2 Algorithm(s) | | | | Active |
| 44444 | GUS4 | Sandra Loddon | CLEAR CORP | BrokerTec EU | + 1 Algorithm(s) | | | | Active |
| 55555 | GUS5 | Sandra Loddon | CLEAR CORP | BrokerTec EU | + 1 Algorithm(s) | | | | Active |

Available information includes the associated GFID, GUS, Algo Owner, Legal Entity and Market and certification document

Expand the **Algorithm Name** to view additional details.

| Algorithmic Trading (Algo's) | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|--------------|------------------|------------|--------------------|----------------------------------------------------------------------------------------------|---------|
| <input type="checkbox"/> Include Inactive Refresh Export Assign Algo(s) to Owner | | | | | | | | | |
| GFID | GUS | Algo Owner | Legal Entity | Market | Algorithm Name | Short Code | Certification Date | Status | Actions |
| GFID1 | GUS1 | Algo Owner name | Entity One | BrokerTec EU | + 2 Algorithm(s) | | | Active | |
| | | | | | | ABCDEFG | 12345 | 10/05/2020 | |
| | | | | | | Hijklmn | 67890 | 10/29/2020 | |

Algorithmic Trading System Actions

- **Export (** **):** Opens a screen to download and view previously submitted certification documents.

| Certification Document(s) | | |
|---------------------------|-------------------------------------------|----------|
| Uploaded | File Name | Download |
| 09/10/2020 09:53:57 CDT | algorithmic-trading-annual-certificati... | |
| 10/05/2020 06:39:58 CDT | test algo certificate.pdf | |
| Close | | |

- **Delete (** **):** Remove and expire all registered Algos for the selected Owner
- **Edit (** **):** Select the Algo to update:
 - **Step 1: Algo Information:** Algorithm Name, Algo Short Code, Certification Date, including an option to add additional.
 - **Step 2: Algo Certification Selection:**

- [Upload Certification PDF](#)
- [Manually Enter Algo Information](#)

Assigning Algorithmic Trading Systems to Owner (GFID/GUS)

Use the **Assign Algo to Owner** function to and associate algorithmic trading systems with a GFID (Firm) / GUS (Owner) and submit an [Algorithmic Trading Annual Certification Form](#), which certifies conformance to CME Group requirements.

Note: When registering / assigning multiple (including new Algos) Algorithmic Trading Systems to an owner, **all certification dates must be identical**.

- When uploading a completed certificate form file, the date in the form is applied to all Algos.
- When manually entering details, the certification date defaults to today. Update previously certified Algos to today's date.

► To Assign Algos to Owner:

1. From the list of associated Algorithmic Trading systems, select **Assign Algo(s) to Owner**, enter **Algodetails**, then select **Next**.

| Algorithmic Trading (Algo's) | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|--------------|--------------|------------------|--------------|------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <input type="checkbox"/> Include Inactive <input type="checkbox"/> Refresh  Export <input type="button" value="Assign Algo(s) to Owner"/> | | | | | | | | | | |
| GFID | GUS | Algo Owner | Legal Entity | Market | Algorithm Name | Short Code | Certification Date | Status | Actions | |
| 11111 | GUS1 | Sandra Loddon | CLEAR CORP | BrokerTec EU | + 1 Algorithm(s) | RSALGO123456 | 54321098765 11/22/2020 | Active |    | |
| 22222 | GUS2 | | CLEAR CORP | BrokerTec EU | + 1 Algorithm(s) | | | Active |    | |
| 33333 | GUS3 | Sandra Loddon | CLEAR CORP | BrokerTec EU | + 2 Algorithm(s) | | | Active |    | |
| 44444 | GUS4 | Sandra Loddon | CLEAR CORP | BrokerTec EU | + 1 Algorithm(s) | | | Active |    | |
| 55555 | GUS5 | Sandra Loddon | CLEAR CORP | BrokerTec EU | + 1 Algorithm(s) | | | Active |    | |

Algo Owner

- Associated **Globex Firm ID**
- **Globex User Signature:** Available selections are based on user entitlements and the associated GFID.

Algo Information

- **Algorithm Name:** Up to six alphanumeric characters.
- **Algo Short Code:** The short code is required to trade products and is associated with the GUS.

The short code associates the Algorithmic Trading System with a user's Personally Identifiable Information (PII) and GFID/GUS registered with the BrokerTec Upload Facility,

See also: [BrokerTec Upload Facility User Guide on cmegroup.com](#) (BrokerTec EU RM section).

- **Certification Date:** The certification date defaults to today's date as represented in U.S. Central Time; update for your own time zone.

Algorithmic Trading (Algo's)

Assign Algo(s) to Owner

Step 1: Algo Information Step 2: Algo Certification Step 3: Confirm

Algo Owner

Associated Globex Firm ID
Search for GFID...

Globex User Signature
Select...

Algo Information

Algorithm Name
Enter Algorithm name...

Algo Short Code
Enter short code..

Certification Date
11/05/2020 

[+ Algorithm](#)

[Cancel](#) [Next](#)

2. Select to (a) **Upload** the Algo Certification form or (b) **manually enter** information.

The file name of the attachment must have alphanumeric characters (A-Z, 0-9), underscore (_), hyphen (-) only.

A blank certification form and/or the current certification is available to reference required information.

- a. **Upload:** Upload (drop file / click to choose file) a completed certification form, a fillable template is available for download from the page.

Edit Algo(s)

Step 1: Algo Information Step 2: Algo Certification Selection Step 3: Confirm

Algo Certification Selection

Would You Like To Upload A Certification PDF Or Manually Enter Algo Information?
 Upload Certification PDF Manually Enter Algo Information

Algo Certification

If any changes are made to the Algorithm entries, it is required that a completed Algo Certification form is uploaded. A button to download a blank form is included for your convenience.

Algo Certification Document Upload
Drop file here or click to choose file

[Blank Certification Form](#) [Current Certification](#)

[Back](#) [Cancel](#) [Next](#)

- b. **Manually Enter:** Specify required information:

- [ATS Team Members](#)
- [Algo testing and procedure declarations](#)
- [Key Contacts](#)

Algorithmic Trading (Algo's)

Edit Algo(s)

Step 1: Algo Information

Step 2: Algo Certification Selection

Step 3: Confirm

Algo Certification Selection

Would You Like To Upload A Certification PDF Or Manually Enter Algo Information?

Upload Certification PDF

Manually Enter Algo Information

- i. **ATS Team Members** (required): Select the Algorithm (System) Name, team information and contact information for at least one team member (indicate primary contact) responsible for algorithm system operation and contact for algo system issues.

ATS Team Members

Select Algo's to be included for Certification PDF creation. If you identified an ATS Team responsible for the operation of the algorithm, list the members of the team and their contact information.

Algorithm Name ATS Team Name ATS Team Member Name

Telephone Number

Email Address

Primary Contact

[+ Member](#)

- ii. **Algo Testing & Procedure Declarations** (required): Describe the testing procedure used to ensure compliance with CME Group [development requirements](#).

Algo Testing & Procedure Declarations

Please Provide An Explanation Of The Means Used For Testing. If This Information Has Already Been Provided In A Prior Submission And No Changes Have Been Made To Your Testing Methodology, Please Indicate So Below.

Please Describe Procedures In Place To Prevent Erroneous Actions By Algorithms Listed In Annex 1, Including An Ability To Cancel Immediately, As An Emergency Measure, Any Or All Of Unexecuted Orders ('Kill Functionality'). If This Information Has Already Been Provided In A Prior Submission And No Changes Have Been Made To Your Testing Methodology, Please Indicate So Below.

- iii. **Key Contacts** (required): Personnel identified as key contacts for an algorithm operations within a firm. If necessary, CME Group will contact these individuals for questions or issues.

| Key contacts | | | |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------|------------------|
| Please add personnel who have been identified as key contacts for an algorithm operating within your firm | Compliance Contact | Contact Name | Telephone Number |
| | Business Contact | Contact Name | Telephone Number |
| | Information Technology / Operations Contact | Contact Name | Telephone Number |
| Back Cancel Next | | | |

3. Review Algo Information and certification details, then select **Confirm and Submit**.

| Algorithmic Trading (Algo's) | | |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------|
| Assign Algo(s) to Owner | | |
| Step 1: Algo Information Step 2: Algo Certification | | Step 3: Confirm |
| Please review the details below to ensure the information is accurate before submitting. | | |
| Algo Owner Edit | ASSOCIATED GLOBEX FIRM ID 11111 - CLEAR CORP | |
| Algo Certification Edit | ASSOCIATED GLOBEX USER SIGNATURE (GUS) GUS1 - Sandra Loddon | |
| ALGORITHM INFORMATION Name: TEST Short Code: 123 Certification Date: 11/05/2020 | | |
| ALGO CERTIFICATION DOCUMENT algorithmic-trading-annual-certification-form.pdf | | |
| Back Cancel | | Confirm and Submit |

Annual Algorithmic System Certification

The Markets in Financial Instruments Directive - MiFID II CDR EU 2017/584 (RTS 7) requires that BrokerTec EU customers must review and annually certify algorithmic trading system details.

Users authorized by registered owners must access the BrokerTec Request Center (ESS) to review the existing Algo information, update the Certification Date and upload a certification form or manually enter information for all registered Algos. You can also add / delete Algos or [update](#) the Owner if necessary.

Note: To authorize users to Edit Algorithmic Trading system information, an Admin Manager or Application Admin must use the [User Administration function to add Request Center - BrokerTec ALGO Full Access](#) entitlements.

Add Entitlement

Entitlement 

User  

* TEST (TEST09) 

+ Add User

Entity 

* 

Application 

Request Center 

Profile 

* Request Center - ALGO Full-Access 

Enter Comment

+ Add New Entitlement

Submit Entitlements 

Add Entitlement

Entitlement 

User  

* -USER, FIRM (USR01) 

+ Add User

Entity 

* CID00000 - CLEARCO LLC 

Application 

Request Center (ESS) 

Profile 

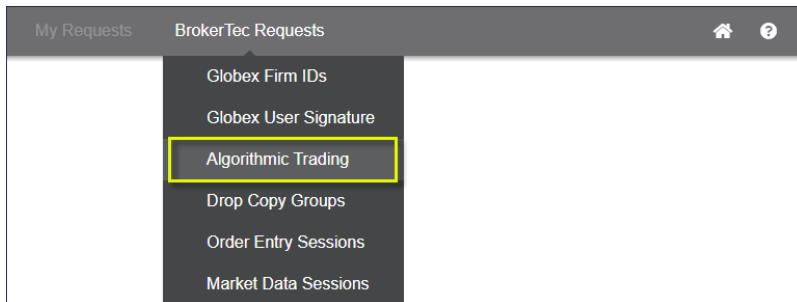
* Request Center (ESS) - BTEC ALGO Full-Access 

Hide Comment

+ Add New Entitlement

Submit Entitlements 

1. Go to Request Center (ESS) > **BrokerTec Requests - Algorithmic Trading**.



2. Expand the *Algorithms* as necessary, then review the list of Algo trading systems.

Algorithmic Trading (Algo's)

Include Inactive Refresh Export Assign Algo(s) to Owner

| GFID | GUS | Algo Owner | Legal Entity | Market | Algorithm Name | Short Code | Certification Date | Status | Actions |
|-------|------|---------------|--------------|--------------|------------------|--------------|--------------------|------------|---------|
| 11111 | GUS1 | Sandra Loddon | CLEAR CORP | BrokerTec EU | + 1 Algorithm(s) | RSALGO123456 | 54321098765 | 11/22/2020 | Active |

Note: To assist review, the Algo trading system list can be exported to a .csv file (MS Excel compatible format).

Algorithmic Trading (Algo's)

Include Inactive Refresh **Export** Assign Algo(s) to Owner

| GFID | GUS | Algo Owner | Legal Entity | Market | Algorithm Name | Short Code | Certification Date | Status | Actions |
|-------|------|---------------|--------------|--------------|------------------|--------------|--------------------|------------|---------|
| 11111 | GUS1 | Sandra Loddon | CLEAR CORP | BrokerTec EU | + 1 Algorithm(s) | RSALGO123456 | 54321098765 | 11/22/2020 | Active |

3. Select **Edit** () , review / update the *Step 1: Algo Owner / Information* (if necessary).

Algorithmic Trading (Algo's)

Edit Algo(s)

Step 1: Algo Information Step 2: Algo Certification Selection Step 3: Confirm

Algo Owner

Associated Globex Firm ID
ABCDEF - TRADECO

Globex User Signature
USER1

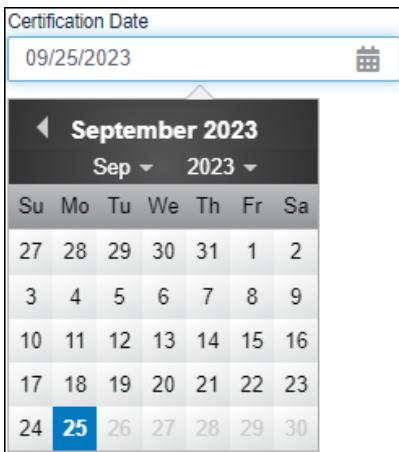
Algo Information

| | | |
|-------------------------|----------------------------|----------------------------------|
| Algorithm Name ALGO1 | Algo Short Code 1234567 | Certification Date 09/04/2023 |
| Algorithm Name ALGO2 | Algo Short Code 0987654 | Certification Date 09/04/2023 |

[+ Algorithm](#)

[Cancel](#) [Next](#)

- Certification Date:** Specify the new certification date, select **Next**.



- Add Algorithm:** Enter information for additional [Algorithmic trading systems](#).

Algo Information

| | | |
|--------------------------------|-------------------------------|----------------------------------|
| Algorithm Name RSALGO123456 | Algo Short Code 1234567890 | Certification Date 09/22/2020 |
|--------------------------------|-------------------------------|----------------------------------|

[+ Algorithm](#)

[+ Algorithm](#)

| | | | |
|----------------|-----------------|----------------------------------|-----------------------------|
| Algorithm Name | Algo Short Code | Certification Date 09/07/2021 | - Algorithm |
|----------------|-----------------|----------------------------------|-----------------------------|

[Cancel](#) [Next](#)

- For Step 2: Algo certification selection, provide required information via upload or by manually entering.

- [Upload](#)

Would You Like To Upload A Certification PDF Or Manually Enter Algo Information?

Upload Certification PDF Manually Enter Algo Information

Algo Certification Document Upload

test.pdf
Size: 4 Kb - 25 Sep 2023 17:55:47

[Blank Certification Form](#) [Current Certification](#)

Back Cancel Next

- Manually enter: See instructions ([above](#)):

Would You Like To Upload A Certification PDF Or Manually Enter Algo Information?

Upload Certification PDF Manually Enter Algo Information

5. Select **Next**, then **Confirm** and **Submit** to complete.

Note: For additional information or assistance with the annual certification process, contact [Global Account Management](#).

Update Algorithmic Trading System Owner Information

The following instructions illustrate the process to update GUS (Algo owner) information or associated products via the [BrokerTec Requests - Globex User Signature](#) function.

► To update the Algo Owner:

1. Search and select the Algo system to update (e.g. filter the list by entering search criteria in the top row).

| GFID | GUS | Algo Owner | Legal Entity | Market | Algorithm Name | Short Code | Certification Date | Status | Actions |
|-------|------|---------------|--------------|--------------|------------------|------------|--------------------|--------|---------|
| 11111 | GUS1 | Sandra Loddon | CLEAR CORP | BrokerTec EU | + 1 Algorithm(s) | Active | | | |

2. Review the Algo Name and Short Code, then copy the **GUS** to update.

| GFID | GUS | Algo Owner | Legal Entity | Market | Algorithm Name | Short Code | Certification Date | Status | Actions |
|-------|------|---------------|--------------|--------------|----------------|------------|--------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11111 | GUS1 | Sandra Loddon | CLEAR CORP | BrokerTec EU | 1 Algorithm(s) | DEMO0309 | 3091 | 03/09/2021 | Active    |

3. From the **BrokerTec Requests** menu, go to the **Globex User Signature** function.



4. Select or search for the GUS (from the Algo screen) to update, then select the Actions - **Edit** ().

| Globex User Signature (GUS) | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------|-----------------|---------|--------------|--------------|-----|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The Globex User Signature (GUS) is an identifier assigned to a particular participant on CME Globex. Establish and/or maintain GUS information. For US Treasury off the run access/removals, please contact ICAP Securities at (212) 815-9091 or email OperationsUS@us.icap.com | | | | | | | | | | |
| Include Inactive <input type="checkbox"/> | | | | | | | | | | |
| GUS | GFID | Name | CME Group Login | AG | Legal Entity | Market | GFF | Effective Date | Status | Actions |
| GUS1 | 11111 | Sandra Loddon | SAND111 | TEST AG | E-MINI | BrokerTec EU | Yes | 02/08/2021 | Active    |    |

5. Update GUS details, as necessary:

- **Step 1 - GUS Information:** Select **Edit** > update GUS Information > **Save Changes**, then select **Next**.

Globex User Signature (GUS)

Create Globex User Signature

Step 1: GUS Information **Step 2: Order Entry Products** **Step 3: Confirm**

Globex User Signature Information

Associated Globex Firm ID 

Search for GFID...

Globex User Signature  Short Code Optional Algo Owner

Effective Date  

GLOBAL FRONT END DETAILS

Global Front End Access Select... 

Cancel **Next**

Cancel **Save Changes**

- **Step 2 - Order Entry Products:** Review / Edit Products (if applicable), then select **Next**.

Globex User Signature (GUS)

Edit Globex User Signature

Step 1: GUS Information Step 2: Order Entry Products Step 3: Confirm

Order Entry Products

Select products from the dropdown to the right that will be used for trading. If no trading is desired proceed to the next step.

Order Entry Access Groups Optional
BME Clearing Repo-SPAIN X

Short Code ?
3091

[Back](#) [Cancel](#) [Next](#)

6. To save updates, select **Confirm and Submit**.

My Requests BrokerTec Requests ?

✓ The request to update Globex User Signature "GUS1" has been submitted. Check your request status under the [My Requests](#) tab.

A **confirmation banner** appears, the status of the update is indicated on the **My Requests** page.

| ID | Requester | Request Type | Market | Details | Registered Entity | Status | Requested Date | Completed Date |
|------|------------|--------------|--------|---------|-------------------|-----------|-------------------------|-------------------------|
| B688 | Andi Admin | Update GUS | BTEU | GUS1 | CLEAR CORP (BTEU) | Completed | 14 Oct 2021, 11:25 CEST | 14 Oct 2021, 11:25 CEST |

To view updated **Algo information**, select the request from the list.

BrokerTec Drop Copy Groups

Using *BrokerTec Requests - Drop Copy Groups* function, [authorized users](#) can create and manage sessions that can receive trading activity communications via the [iLink](#) order entry gateway.

To receive messages at multiple related entities, configure drop copy groups (target sessions) with additional source [sendercomp](#) sessions.



Example: Clearing firms only receive messages related to activity which they clear.

From the *BrokerTec Requests* menu the following Drop Copy functions are available:

- [Creating a Drop Copy Group](#): Create a new Drop Copy Group.
- [Editing and Deleting](#): Edit and delete existing Drop Copy Groups, including associated target session IDs.
- [Securing Drop Copy Sessions](#): To secure the login for Drop Copy sessions, use Hash Message Authentication Codes (HMAC) to create a secure key-pair login.
- [My Requests](#): View Submitted requests and approve, as necessary.

Creating a Drop Copy Group

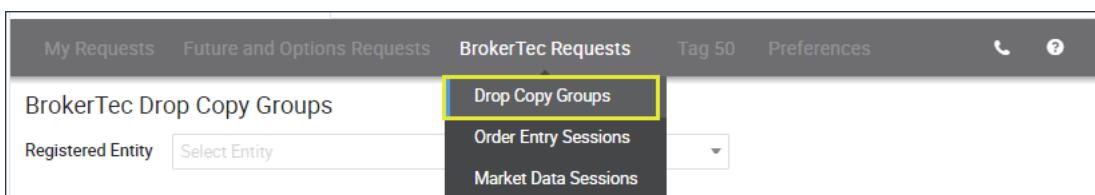
Use the Drop Copy function to configure an entity to receive business and session activity messages.

The creation process consists of the following steps:

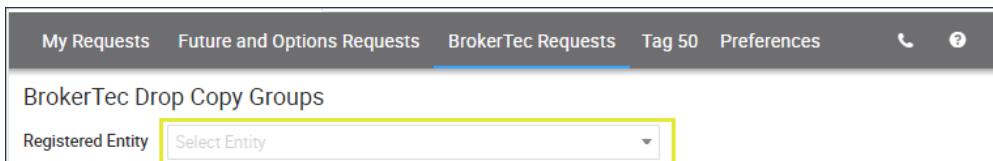
- Select Registered Entity
- Specify Group Name
- Select Front End System
- Select Filters
- Add Source Sender Comps
- Submit

► To create a Drop Copy Group:

1. From the *BrokerTec Requests* menu, select **Drop Copy Groups**.



2. Select a **Registered Entity** to manage.



3. Select **Create New Group > BrokerTec EU / U.S..**

BrokerTec Drop Copy Groups

Registered Entity AA00012 - CLEAR1 [Refresh](#)

[Delete Group\(s\)](#) [Export to Excel](#) [Create New Group](#)

Displaying 1 to 1 of 1 Drop Copy Groups | View 10 | [Copy](#) | [CSV](#) | [Excel](#) | [PDF](#) | [Print](#)

| <input type="checkbox"/> | Group | Market | Front End System |
|--------------------------|------------------|--------|------------------|
| <input type="checkbox"/> | AA00012 - CLEAR1 | US | PLATFORM NAME |

[Delete Group\(s\)](#) [Export to Excel](#) [Create New Group](#)

A dialog indicates the number of existing Drop Copy groups and the **fee** for creating a new group, if applicable.

Create New Drop Copy Group

Please Note

You have **3** existing DropCopy Groups.

Creating a new DropCopy Group will result in a **\$500** monthly fee.

[Cancel](#) [Proceed](#)

Note: Customers receive one free Drop Copy Group, a **fee** is incurred for each additional instance. There is no limit to the number of Source SenderComps assigned to a given Drop Copy Group.

- To continue, select **Proceed**.
- On the page that appears specify the **Drop Copy Group Name** and **Front End System** to monitor.

Create New Drop Copy Group

All Fields are required unless noted otherwise.

Drop Copy Name

Front End System

Mandatory Filter(s)

Optional Filter(s)

Manage Source SenderComps

[Source SenderComps](#) [Source SenderComps by Rule](#)

[+ Add Source SenderComps](#)

[Export](#)

| Session ID | Session Type | GFID | GFID Name | Trader ID | Session Live Date | Front End System | CME Class A Firm ID | CME Class A Firm Name | Actions |
|------------|--------------|------|-----------|-----------|-------------------|------------------|---------------------|-----------------------|---------|
| 111 | CGW | 11A | GFID1 | 22AB | 2024-12-02 | trade system | 100 | Trading Firm | |

Rows per page : 1 of 1

[«](#) [««](#) [Prev](#) [1 of 1](#) [Next](#) [»](#) [»»](#)

[Cancel](#)

[Submit](#)

- For the **Filters**, select *communication types* the Drop Copy Group will track.

Available [communication types](#):

- Acknowledgement (Ack) Messages.
- Execution Reports:
 - Execution - Order Entry: New Order Acknowledgement message.
 - Execution - Create / Cancel / Modify: Response message
 - Execution - Elimination: Order expiration message.
 - Trade - Fill Notice: Complete and partial fills.
 - Trade - Trade Cancel: Notifies user of trade cancellation.
- Heartbeat: A response message that confirms connectivity.
- Order Mass Action Filter: Confirms the number of canceled orders.
- Reject Messages: Message indicates a session level error has occurred.
- Trade Busts: Trade cancellation: (see Trade Cancel, above).

Note: Using session configuration information, the selected communications are routed to the Source SenderComp / Session IDs.

- Select **Add Source SenderComps**:

- Filter by **Globex Firm** (optional).
- Select from the available [Source SenderComps](#), then select **Add**.

| Session ID | GFID | Trader ID | Session Live Date | Front End System |
|------------|---------------------------|-----------|-------------------|----------------------------------|
| VWF | AABPU - GFID US BTEC CID8 | AABPU | 31 Jul 2020 | PROP SYSTEM - SQUAREPOINT_0MS |
| KGF | AABPU - GFID US BTEC CID8 | AABPU | 31 Jul 2020 | PROP SYSTEM - SQUAREPOINT_0MS |

8. To finalize, select **Submit**.

Submitted requests are available from the [Request Center \(ESS\) - My Requests](#) and initially assigned an In-Progress status.

After validation and setup, the status changes to **Completed** and the Drop Copy Group appears in the **Drop Copy Group > Registered Entity** list.

Secure Key Pairs

CME Group uses a secure login process for Drop Copy, Order Entry and [Market Data](#) API services.

Using self-service functions, users can generate and manage key pairs (**Access Key ID***Secure login request + Secret Key**Used to create HMAC signature.*) to secure user login and Drop Copy message activity.

- **Customer identity verification:** Login is signed with CME Group issued and validated security credentials.
- **Message confidentiality and integrity:** CME Globex uses customer submitted credentials to calculate the HMAC value to validate against a login request.
 - Once created, credentials are accessible and available for multiple downloads.
 - In situations when a secure key is within four weeks of expiration, a user can have two secure key pairs. Notification of pending security credential expiration will be sent by email to registered administrators.
 - If a customer generates a third secure key pair:
 - The user must delete a secure key pairs immediately.
 - The oldest secure key pair will expire in four weeks (at market close).

Generating Keys for Drop Copy Sessions

CME Group uses a secure login process for [Drop Copy](#) API services using secure key pairs (Access Key ID + Secret Key) to login to API Order Entry sessions.

Pending Expiration

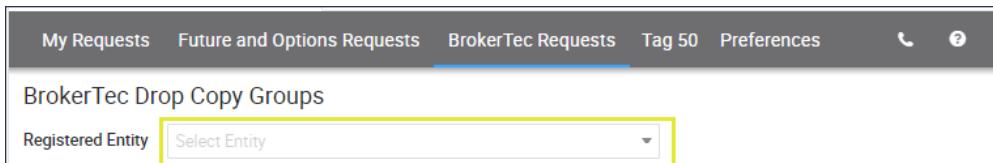
Prior to expiration, an email notification is sent to registered administrators and a system notification on the Drop Copy, Order Entry or [Market Data Session](#) modules. During the pending expiration period a *second* key pair can be created and the initial key pair remains active for up to four weeks, after which the older key pair is automatically expired (after market close).

Following is an overview of the secure key management process:

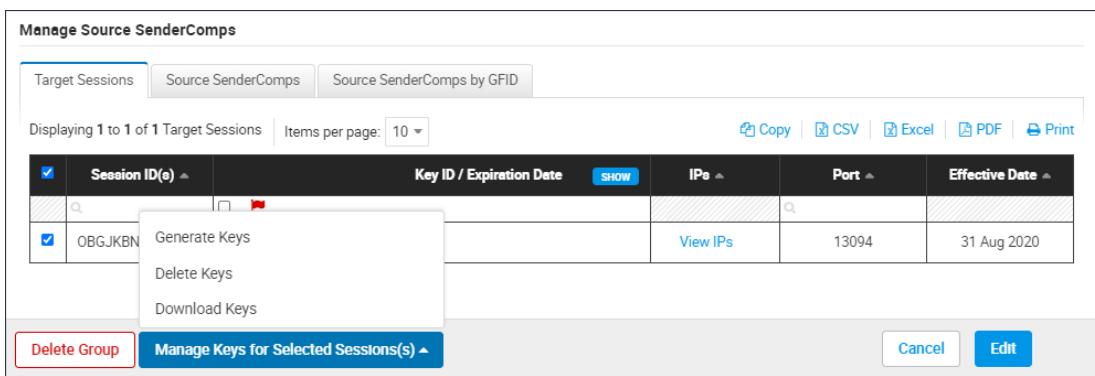
1. From the *BrokerTec Requests* menu, select **Drop Copy Groups**.



2. Select **Registered Entity**, then select a **Drop Copy Group** to manage.



3. From the **Drop Copy - Target Sessions** tab, select a **Target Session** checkbox, then select **Manage Keys for Selected Sessions > Generate Keys**.



4. On the screen that appears, select **Generate Key**, then **Download the Key**.

Generate New Keys

A new key will be generated for the following session:

| Session ID | Existing Key ID to be expired in 4 weeks | Existing Key ID to be deleted immediately |
|------------|------------------------------------------|-------------------------------------------|
| OBGJKBN | - | - |

[Cancel](#) [Generate Key\(s\)](#)

[◀ Back](#) **Download Keys**

Please download the key below in **Text format**. You will be prompted to enter a **security code** when you click the **Download All Key(s)** button.

⚠ Key will expire within 4 weeks

| Session ID | Key ID | Key Expiration Date |
|------------|--------|---------------------|
| OBGJKBN | | 05 Oct 2021 |

[Cancel](#) [Download All Key\(s\)](#)

5. To download the key, confirm your identity by completing multi-factor identification, using one of the following methods:

CME Group requires customers to update their security credentials every 12 months.

Download Keys

Protect your CME Group Account

We do not recognize your device. In order to maintain the highest level of security, please click 'Send Code' for a security code to be delivered to your device. If you are unable to receive the security code, please contact CME Group Enterprise Application and System Entitlements at +1 312 456 1560 (US), +44 20 3379 3802 (Europe), or +65 6593 5536 (Asia).

[Resend Code](#)

Security Code

[Cancel](#) [Download All Key\(s\)](#)

- **SMS code**: Sent to the default CME Group Login mobile phone.
- **Contact EASE**: Upon user identity verification, receive a one-time use code.
- **Duo Security**

After authenticating, a cryptographic key pair is generated.

A confirmation banner appears, an email confirmation is sent to the registered address and the request is added to [My Requests](#).

Download Key

X

The keys below will be downloaded in Text format. You will be prompted to enter a security code on the next screen.

| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|---------------------|-------------------|---------------------|
| AA1234 | 1234567890asdfghjkl | 15 May 2025 | 15 May 2026 |

Cancel
Download

6. From the saved file, view the corresponding **Secure Key**, which is used for securing Drop Copy Sessions.

Additional Options:

- **Delete Keys:** Select and confirm deletion.
- **Download Keys:** Download the cryptographic key as a flat text file.

Editing Drop Copy Groups

Using the CME Globex Drop Copy Group functionality users can view and manage existing Drop Copy Groups.

► **To edit Drop Copy group details:**

1. From the **Globex Requests** menu, select **Drop Copy Groups**.
2. From the drop-down menu, select a **Registered Entity**.
3. Select a **Group** to edit.

BrokerTec Drop Copy Groups

Refresh

Registered Entity

[Delete Group\(s\)](#)
[Export to Excel](#)
[Create New Group](#)

Displaying 1 to 1 of 1 Drop Copy Groups | View [Copy](#) | [CSV](#) | [Excel](#) | [PDF](#) | [Print](#)

| Group | Market | Front End System |
|------------|--------|------------------|
| ANUSHAREL2 | US | PLATFORM NAME |

[Delete Group\(s\)](#)
[Export to Excel](#)
[Create New Group](#)

Select **Edit**, then update [Drop Copy Group details](#) as required:

- Target Sessions (view only)
- [Source SenderComps](#) / [Source SenderComps by GFID](#)

Manage Source SenderComps

Target Sessions Source SenderComps Source SenderComps by GFID

Add Source SenderComps

No Source SenderComps available

4. On the Details page update the Drop Copy Group Name, Front End System and [Filters](#), Target Sessions, Source SenderComps:

Edit Drop Copy Group

All Fields are required unless noted otherwise.

Drop Copy Name
Test Final 3

Front End System
Trading System

Mandatory Filter(s)
Execution Reports X

Optional Filter(s)
Ack Messages X

Manage Source SenderComps

Target Sessions **Source SenderComps** Source SenderComps by Rule

You have no Target Sessions available

Cancel **Submit**

Note: Designated user administrators can update front end system mapping.

- **Target Sessions:** View-only session [configuration](#) details.

To view Public Key ID details, select **Show**.

Manage Source SenderComps

Target Sessions Source SenderComps Source SenderComps by GFID

No Target Sessions Items per page: 10

| Session ID(s) | Key ID / Expiration Date | SHOW | IPs | Port | Effective Date |
|---------------|--------------------------|------|-----|------|----------------|
| | | | | | |

No Target Sessions available

- **Source SenderComps:** Select additional Source SenderComps that will receive messages.

Add Source SenderComps

Drop Copy Group | asdfsdfsdf

Filter by Globex Firm(s)

Displaying 1 to 2 of 51 Source SenderComps | Items per page: 10

[Copy](#) | [CSV](#) | [Excel](#) | [PDF](#) | [Print](#)

| ■ | Session ID ▲ | GFID ▲ | Trader ID ▲ | Session Live Date ▲ | Front End System ▲ |
|--------------------------|--------------|---------------------------|-------------|---------------------|-------------------------------|
| <input type="checkbox"/> | VWF | AABPU - GFID US BTEC CID8 | AABPU | 31 Jul 2020 | PROP SYSTEM - SQUAREPOINT_0MS |
| <input type="checkbox"/> | KGF | AABPU - GFID US BTEC CID8 | AABPU | 31 Jul 2020 | PROP SYSTEM - SQUAREPOINT_0MS |

0 items selected

« First | < Previous | **1** | 2 | 3 | 4 | 5 | 6 | Next > | Last »

[Cancel](#) | [Add](#)

- **Add Source SenderComps by GFID:** Select firm(s) as required.

Manage Source SenderComps

Target Sessions | [Source SenderComps](#) | [Source SenderComps by GFID](#)

[Add Source SenderComps by GFID](#)

Displaying 1 to 1 of 1 Drop Copy Group Rules | Items per page: 10

[Copy](#) | [CSV](#) | [Excel](#) | [PDF](#) | [Print](#)

| Firm ID ▲ | No. of Source SenderComps ▲ | Remove |
|-----------|-----------------------------|--------|
| AABPU | 51 | |

5. To finalize updates, select **Submit**.

Additional Options:

- **Deleting Drop Copy Groups** - Select Drop Copy Group(s), click **Delete Group(s)**.

An additional delete function is available from the Target Sessions tab.

BrokerTec Drop Copy Groups

Registered Entity | AA000012 - CLEAR1 | [Refresh](#)

[Delete Group\(s\)](#) | [Export to Excel](#) | [Create New Group](#)

Displaying 1 to 4 of 4 Drop Copy Groups | Items per page: 10

[Copy](#) | [CSV](#) | [Excel](#) | [PDF](#) | [Print](#)

| ■ | Group ▲ | Market ▲ | Front End System ▲ |
|-------------------------------------|---------------|----------|-------------------------|
| <input checked="" type="checkbox"/> | asdfsdfsdf | US | 3RedATF - 3 Red Trading |
| <input type="checkbox"/> | dcgnewshafeeq | US | DE Shaw Handler |

1 item selected

[Delete Group\(s\)](#) | [Export to Excel](#) | [Create New Group](#)

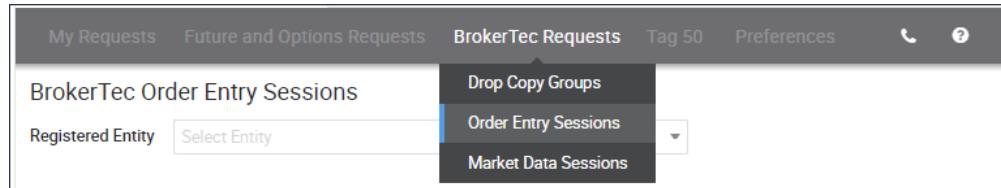
BrokerTec Order Entry Sessions

Using the BrokerTec Requests - Order Entry Sessions function, [authorized users](#) can create and manage Order Entry sessions that are used to send and receive orders and confirmation [messages](#) between the client system and CME Group.

BrokerTec Order Entry Functions

Accessing Order Entry Function

From the CME Customer Center menu, select **Request Center (ESS) > BrokerTec Requests > Order Entry Sessions**.



Select a **Registered Entity**; users with access to one entity are directed to the list of Order Entry sessions.

| BrokerTec Order Entry Sessions | | | | | | | | |
|----------------------------------------------|--------------|----------------------|-----------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------|--------|-------------|
| Actions for Selected Session(s) ▾ | | Export to Excel | | Create New Order Entry Session ▾ | | | | |
| Displaying 1 to 6 of 16 Order Entry Sessions | | Items per page: 10 ▾ | | Copy CSV Excel PDF Print | | | | |
| ■ | Session ID ▾ | Trader ID(s) ▾ | Globex Firm ▾ | Market ▾ | Key ID / Expiration Date Show | IPs | Port ▾ | Live Date ▾ |
| <input type="checkbox"/> | AAA | AAAZZ | AAAZZ SERVICE | EU | ***** ***** | View IPs | 9999 | 13 Oct 2020 |
| <input type="checkbox"/> | BBB | BBBBZ | BBBBZ – SERVICE | EU | ***** ***** | View IPs | 9999 | 13 Oct 2020 |
| <input type="checkbox"/> | CCC | CCZZZ | CCZZZ – SERVICE | US | ***** | View IPs | 9999 | 20 Oct 2020 |
| <input type="checkbox"/> | DDD | DDZZZ | DDZZZ - SERVICE | EU | ***** | View IPs | 9999 | 16 Oct 2020 |
| <input type="checkbox"/> | JJJ | AAGZZ | AAGZZ – SERVICE | US | ***** ***** | View IPs | 9715 | 15 Oct 2020 |
| <input type="checkbox"/> | PPP | AAGDD | AAGDD – SERVICE | US | ***** | View IPs | 9716 | 15 Oct 2020 |

0 items selected

Actions for Selected Session(s) ▾ Export to Excel Create New Order Entry Session ▾

A valid order entry session consists of:

- SenderCompID:
 - Session ID (characters 1-3)
 - Globex Firm ID (characters 4-6)
 - Fault Tolerance Indicator (last character)
- Password
- Access Key ID
- IP address
- Port
- Market Segment Id (MSGW session)



See also: [SenderCompID - iLink - Fault Tolerance](#).

Order Entry Request Status

Submitted requests are available from My Requests with an **In-Progress** status.

Upon successful setup and validation of session details request status updates to **Completed**.

- Requests submitted before 12:00PM CT are processed and will be effective the same day.
- Requests submitted after 12:00PM CT will be effective the next business day.
- Updates to session protocols are processed at 4:00PM CT.

An email and communication center message is sent to the user at submission and completion.

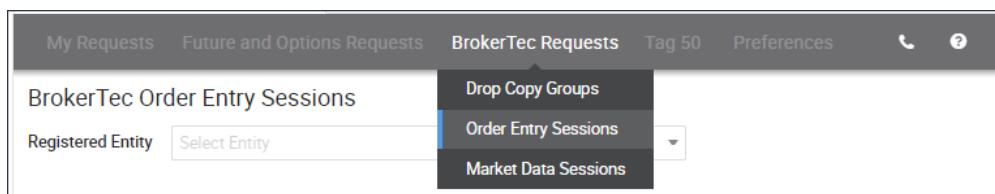
After processing and validation of request details, the iLink session details are available from the BrokerTec Order Entry Sessions page.

Create iLink Order Entry Sessions

The following procedures illustrate the process to create an Order Entry Session for BrokerTec.

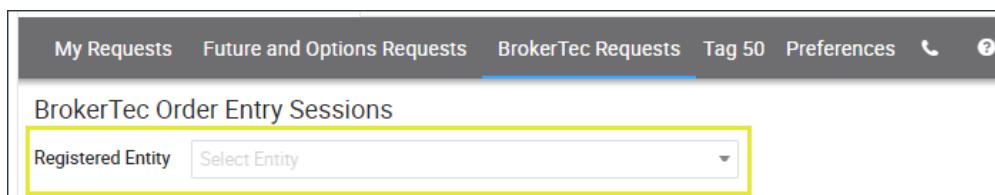
To create a new iLink Session:

1. From the **BrokerTec Requests** menu, select **Order Entry Sessions**.



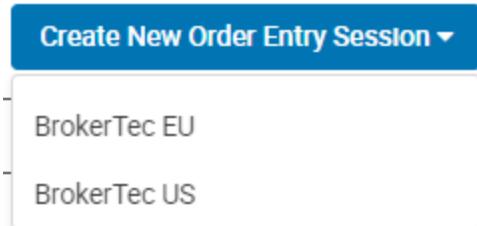
2. Select a **Registered Entity**.

For users with access to one entity, this is automatically selected.



| BrokerTec Order Entry Sessions | | | | | | | | |
|----------------------------------------------|------------|--------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------|------|-------------|
| Actions for Selected Session(s) | | Export to Excel | | Create New Order Entry Session | | | | |
| Displaying 1 to 6 of 16 Order Entry Sessions | | Items per page: 10 | | <input type="button" value="Copy"/> <input type="button" value="CSV"/> <input type="button" value="Excel"/> <input type="button" value="PDF"/> <input type="button" value="Print"/> | | | | |
| ■ | Session ID | Trader ID(s) | Globex Firm | Market | Key ID / Expiration Date | SHOW | IPs | Port |
| <input type="checkbox"/> | AAA | AAAZZ | AAAZZ SERVICE | EU | ***** | <input type="button" value="View IPs"/> | 9999 | 13 Oct 2020 |
| <input type="checkbox"/> | BBB | BBBZZ | BBBZZ – SERVICE | EU | ***** ***** | <input type="button" value="View IPs"/> | 9999 | 13 Oct 2020 |
| <input type="checkbox"/> | CCC | CCZZ | CCZZ – SERVICE | US | ***** | <input type="button" value="View IPs"/> | 9999 | 20 Oct 2020 |
| <input type="checkbox"/> | DDD | DDZZ | DDZZ - SERVICE | EU | ***** | <input type="button" value="View IPs"/> | 9999 | 16 Oct 2020 |
| <input type="checkbox"/> | JJJ | AAGZZ | AAGZZ – SERVICE | US | ***** ***** | <input type="button" value="View IPs"/> | 9715 | 15 Oct 2020 |
| <input type="checkbox"/> | PPP | AAGDD | AAGDD – SERVICE | US | ***** | <input type="button" value="View IPs"/> | 9716 | 15 Oct 2020 |

3. Select **Create New Order Entry Session**, then specify if the session is for **U.S.** or **EU**.



4. On the screen that appears, enter new session details.

Required fields are indicated by a red asterisk (*).

New BrokerTec Order Entry Session

*** Globex Firm**
Select Globex Firm

*** Number of Sessions**
Select Number of Sessions

*** Front End System**
Select a Front End System

*** Requested Live Date**
20 Oct 2020

Cancel **Proceed**

- ***Globex Firm**

- ***Number of Sessions:** The number of available sessions cannot be more than allocated to an entity (Globex Firm). Order Entry sessions may incur a fee.

Upon submitting the request an acknowledgment message appears, indicating charges (if applicable) for the requested session.

New BrokerTec Order Entry Session

Session Charges
The table below highlights the cost involved for creating the selected session(s). Click **Submit** to confirm the charges.

| Charge Type | Amount Per Session | No. of Sessions | Total |
|------------------------|--------------------|-----------------|--------|
| Port Activation Charge | \$500 | 2 | \$1000 |

Back **Cancel** **Submit**

- ***Front End System:** Select the application(s) for which the session is authorized.
- ***Requested Live Date:** The effective date the session will be available.

5. Upon completion of required data, click **Proceed**.

6. If you agree with the setup details and fee, click **Submit**.

A notification banner appears, indicating successful request submission.

Administrator approval is not required.

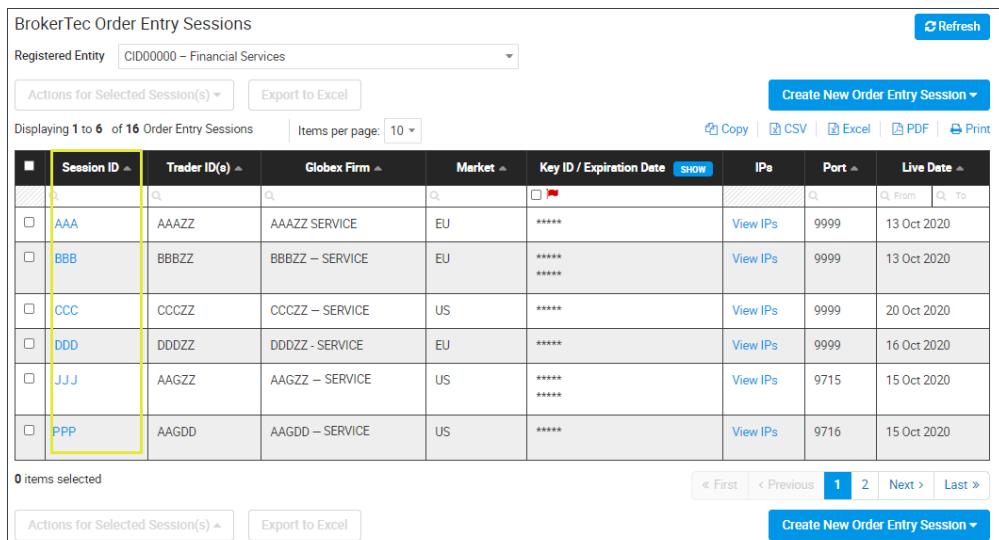
After processing, sessions appear in the list, with an assigned Session ID.

Edit / Delete Sessions

From the Order Entry Session page the following functions can be performed.

The ability to perform advanced functions is determined by a users assigned entitlement.

- **View Session ID details:** From the Order Entry Sessions page, select a linked **Session ID**.



BrokerTec Order Entry Sessions

Registered Entity CID00000 - Financial Services

Actions for Selected Session(s) Export to Excel

Create New Order Entry Session

Displaying 1 to 6 of 16 Order Entry Sessions Items per page: 10

Session ID ▲ Trader ID(s) ▲ Globex Firm ▲ Market ▲ Key ID / Expiration Date SHOW IPs Port ▲ Live Date ▲

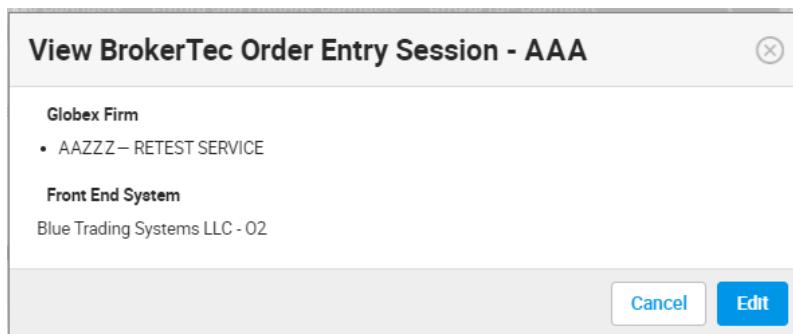
| Session ID | Trader ID(s) | Globex Firm | Market | Key ID / Expiration Date | IPs | Port | Live Date |
|------------|--------------|-----------------|--------|--------------------------|----------|------|-------------|
| AAA | AAAZZ | AAAZZ SERVICE | EU | ***** | View IPs | 9999 | 13 Oct 2020 |
| BBB | BBBZZ | BBBZZ - SERVICE | EU | ***** ***** | View IPs | 9999 | 13 Oct 2020 |
| CCC | CCZZZ | CCZZZ - SERVICE | US | ***** | View IPs | 9999 | 20 Oct 2020 |
| DDD | DDZZZ | DDZZZ - SERVICE | EU | ***** | View IPs | 9999 | 16 Oct 2020 |
| JJJ | AAGZZ | AAGZZ - SERVICE | US | ***** ***** | View IPs | 9715 | 15 Oct 2020 |
| PPP | AAGDD | AAGDD - SERVICE | US | ***** | View IPs | 9716 | 15 Oct 2020 |

0 items selected

Actions for Selected Session(s) Export to Excel

Create New Order Entry Session

- **Edit session details:** Select the linked **Session ID**(above) , then select **Edit**.



View BrokerTec Order Entry Session - AAA

Globex Firm

- AAZZZ - RETEST SERVICE

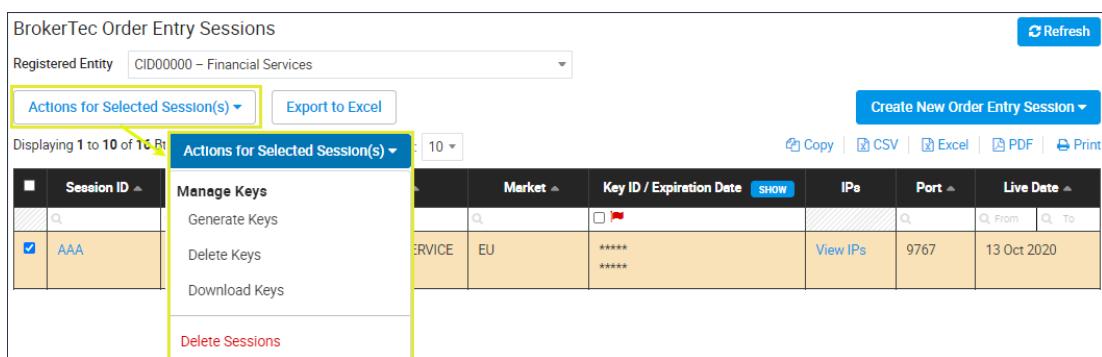
Front End System

Blue Trading Systems LLC - 02

Cancel Edit

- **Delete Sessions:** Deletions are queued for weekly processing that occurs on Friday afternoons. After submitting, the My Requests (ESS) status indicates *In-Progress*, once finalized the status changes to *Completed*.

If a session is deleted by mistake, contact [Global Account Management](#).



BrokerTec Order Entry Sessions

Registered Entity CID00000 - Financial Services

Actions for Selected Session(s) Export to Excel

Create New Order Entry Session

Displaying 1 to 10 of 16 Order Entry Sessions Items per page: 10

Session ID ▲ Market ▲ Key ID / Expiration Date SHOW IPs Port ▲ Live Date ▲

| Session ID | Market | Key ID / Expiration Date | IPs | Port | Live Date |
|------------|--------|--------------------------|----------|------|-------------|
| AAA | EU | ***** ***** | View IPs | 9767 | 13 Oct 2020 |

Actions for Selected Session(s)

Manage Keys

- Generate Keys
- Delete Keys
- Download Keys

Delete Sessions

Copy CSV Excel PDF Print

- **Export or Print** the list of Sessions

| BrokerTec Order Entry Sessions | | | | | | | | Refresh |
|----------------------------------------------------|--------------|----------------------|------------------------|--------------------------------------|--------------------------------|----------|--------|-------------|
| Actions for Selected Session(s) ▾ | | Export to Excel | | Create New Order Entry Session ▾ | | | | |
| Displaying 1 to 10 of 16 Btec Order Entry Sessions | | Items per page: 10 ▾ | | Copy CSV Excel PDF Print | | | | |
| ■ | Session ID ▾ | Trader ID(s) ▾ | Globex Firm ▾ | Market ▾ | Key ID / Expiration Date SHOW | IPs | Port ▾ | Live Date ▾ |
| <input checked="" type="checkbox"/> | AAA | AAZZZ | AAJZE – RETEST SERVICE | EU | <input type="checkbox"/> ***** | View IPs | 9767 | 13 Oct 2020 |

Secure Key Pairs

CME Group uses a secure login process for [Drop Copy](#), Order Entry and [Market Data](#) API services.

Using self-service functions, users can generate and manage key pairs (**Access Key ID**Secure login request + **Secret Key**Used to create HMAC signature.) to secure user login and Order Entry message activity.

- **Customer identity verification:** Login is signed with CME Group issued and validated security credentials.
- **Message confidentiality and integrity:** CME Globex uses customer submitted credentials to calculate the HMAC value to validate against a login request.
 - Once created, credentials are accessible and available for multiple downloads.
 - In situations when a secure key is within four weeks of expiration, a user can have two secure key pairs. Notification of pending security credential expiration will be sent by email to registered administrators.
 - If a customer generates a third secure key pair:
 - The user must delete a secure key pairs immediately.
 - The oldest secure key pair will expire in four weeks (at market close).

Securing iLink Order Entry Sessions (HMAC)

CME Group uses a secure login process for [Order Entry](#) API services via Hash Message Authentication Codes (HMAC). Authorized users can generate private security keys or manage secure Order Entry Session activity.

- **Access Key ID** : Secure login request to iLink.
- **Secret / Private Key:** Used to create HMAC signature.

HMAC helps to secure user login and message activity:

- **Customer identity verification:** Login is signed with CME Group issued and validated security credentials.
- **Message confidentiality and integrity:** HMAC codes are generated from a combination of login FIX tag values. CME Globex uses customer submitted credentials to calculate the HMAC value to validate against the login request.

Securing Order Entry Sessions

Following is a overview and detailed instructions for authenticating and managing secure iLink Sessions.

Overview

- **API ID:** To secure API ID sessions, use the [CME Group Login > Profile](#) function.
- **Multiple secure keys:**
 - iLink sessions can have up to two secure key pairs; until the older key pair is expired four weeks after notice. Expiration occurs after market close.

- If a third key pair is generated, the user must select a key pair to delete immediately.
- **Expiration:** Secure key pairs are valid for 12 months. Prior to expiration, an email is sent to registered administrative users.
- **Key Management User:** A user entitlement to create and manage iLink session secure login pairs. Existing Administrative Manager users are assigned this role as part of their administrative responsibilities.

To request this role, contact [Global Account Management](#).

Process

Following is an overview of the secure key management process, including available functions:

1. From the CME Customer Center menu, select **Request Center (ESS)**.

- **Futures and Options Requests > iLink Sessions:** Secure Futures and Options iLink Order Entry sessions.
- **BrokerTec Requests > Order Entry Sessions:** Secure BrokerTec Order Entry sessions.

2. Select a **Registered Entity**.
3. Select an **Order Entry Session** to manage.

4. From **Actions for Selected Sessions**, select from *available functions*:

- [Generate Keys](#): Generate a keyed-Hash Message Authentication Code (HMAC), that is initially assigned active status, which is valid for [logon](#).

| Session ID | Existing Key ID to be expired in 4 weeks | Existing Key ID to be deleted immediately |
|------------|------------------------------------------|-------------------------------------------|
| AAA | [Blurred Key ID] | - |

Existing Key IDs appear in a list:

- **Existing Key ID to be expired in 4 weeks:** This key is set to expire in four weeks, during which both are active. Prior to expiration, ensure Order Entry Sessions are updated.

Download Keys

Please download the key below in **Text format**. You will be prompted to enter a **security code** when you click the **Download All Key(s)** button.

Key will expire within 4 weeks

| Session ID | Key ID | Key Expiration Date |
|------------|-----------------------------------------------------------------------------|----------------------------|
| AAA | XXXXXXXXXXXXXX | 16 Nov 2020 19 Oct 2021 |

- **Existing Key ID to be deleted Immediately:** If prompted, select a key(s) to be deleted immediately and select **Delete Selected Key(s) and Proceed**.

This key id will be deleted immediately upon creation of a new id.

Generate New Keys

Only one active key is allowed per session.
Please select which key below you would like to **delete immediately** for the following session:
Please Note: Any additional keys will be expired in 4 weeks.

Select all oldest keys Key will expire within 4 weeks Key is old and should be replaced

| Session ID | Key ID(s) | Key Creation Date | Key Expiry Date | Environment |
|------------|----------------------------------------------|----------------------------|----------------------------|-------------|
| VJB | HGTaKT9XsSaVqaFJB77F QH7AV6vf2UKmSn03DSgB | 28 Sep 2017 03 Oct 2017 | 31 Oct 2017 03 Oct 2018 | NEWRELEASE |

Cancel Delete Selected Key(s) and Proceed

A notification appears at the top of the screen, indicating successful key generation and an email notification is sent to the registered user.

5. On the window that appears, select **Download All Keys**.

CME Group requires customers to update their security credentials every 12 months.

The request to generate new keys for your sessions have been processed successfully and the keys can now be downloaded Request #XXXXXX

Download Keys

Please download the key below in **Text format**. You will be prompted to enter a **security code** when you click the **Download All Key(s)** button.

Key will expire within 4 weeks

| Session ID | Key ID | Key Expiration Date |
|------------|-----------------------------------------------------------------------------|----------------------------|
| AAA | XXXXXXXXXXXXXX | 16 Nov 2020 19 Oct 2021 |

Cancel Download All Key(s)

6. To download the key, complete two-factor identification by entering the security code sent to your registered device.

The file is downloaded to the default web-browser destination.

7. Open the file to view secure key pair details that is used to authenticate the Order Entry Sessions.

Note: Once created, credentials are accessible and available for multiple downloads. In situations when a secure key is near expiration, a customer can have up to two secure key pairs for a Session ID for up to four weeks. A secure key pair will have a status of active, i.e. valid for logon. The first (older) secure key pair will expire in four weeks after the market close. If a customer generates a third secure key pair: One of the existing secure key pairs will be deleted immediately, based on the customer selection. The remaining secure key pair will expire in four weeks after the market close.

Notification of pending security credential expiration will be sent by email to registered administrators.

Deleting Session Keys

In addition to [deleting Order Entry Sessions](#), authorized users can delete an associated HMAC authentication key.

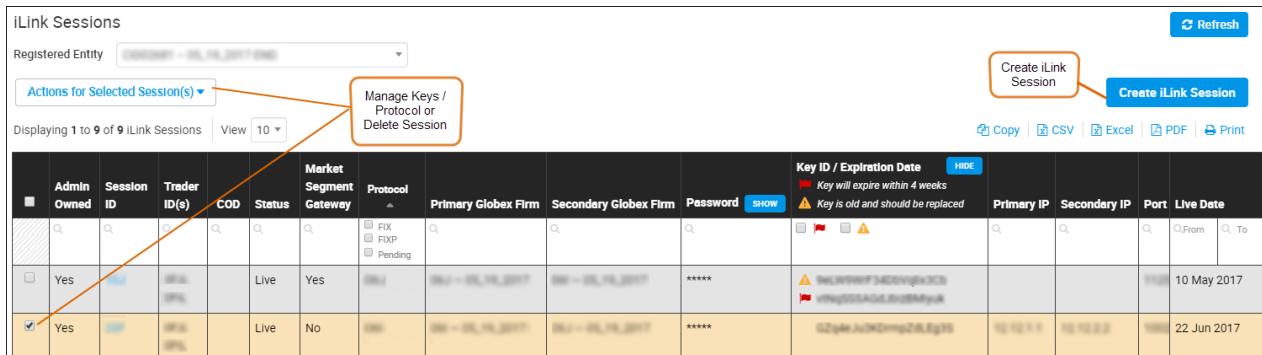
► To delete a HMAC security key:

1. From the CME Customer Center, navigate to: **Request Center (ESS) > Futures & Options Requests > iLink Sessions.**

2. Select a **Registered Entity** to manage.

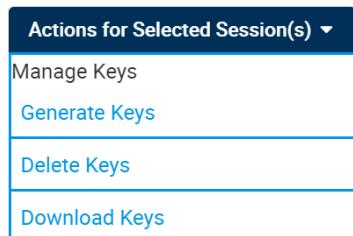
If you have access to only one entity, a list of iLink Sessions will appear.

3. Select an **iLink session**, which activates the **Actions for Selected Sessions** menu.

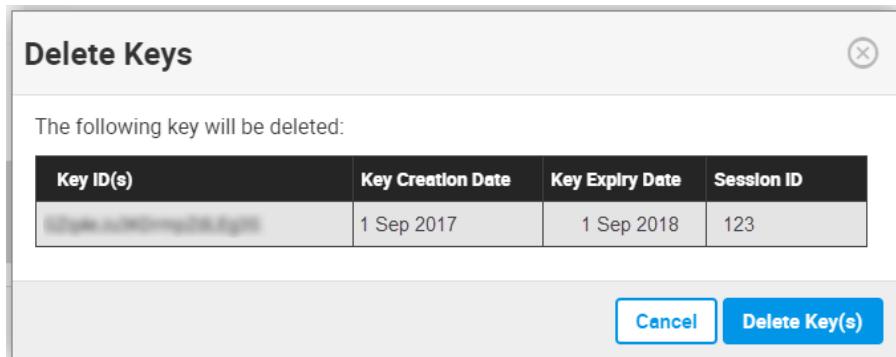


| iLink Sessions | | | | | | | | | | | | Actions for Selected Session(s) | | | Create iLink Session | | | |
|--------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|--------------------------|----------------------------------|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------|
| Registered Entity: CMEGLOBEX - 05_14_2017 0940 | | | | | | | | | | | | Create iLink Session | | | Create iLink Session | | | |
| Displaying 1 to 9 of 9 iLink Sessions View: 10 | | | | | | | | | | | | Copy CSV Excel PDF Print | | | | | | |
| ■ Admin Owned | Session ID | Trader ID(s) | COD | Status | Market Segment Gateway | Protocol | Primary Globex Firm | Secondary Globex Firm | Password | Show | Key ID / Expiration Date | Key will expire within 4 weeks | Key is old and should be replaced | Primary IP | Secondary IP | Port | Live Date | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Show | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| <input type="checkbox"/> | Yes | <input type="checkbox"/> | <input type="checkbox"/> | Live | Yes | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | **** | Show | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 10 May 2017 |
| <input checked="" type="checkbox"/> | Yes | <input type="checkbox"/> | <input type="checkbox"/> | Live | No | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | **** | Show | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 22 Jun 2017 |

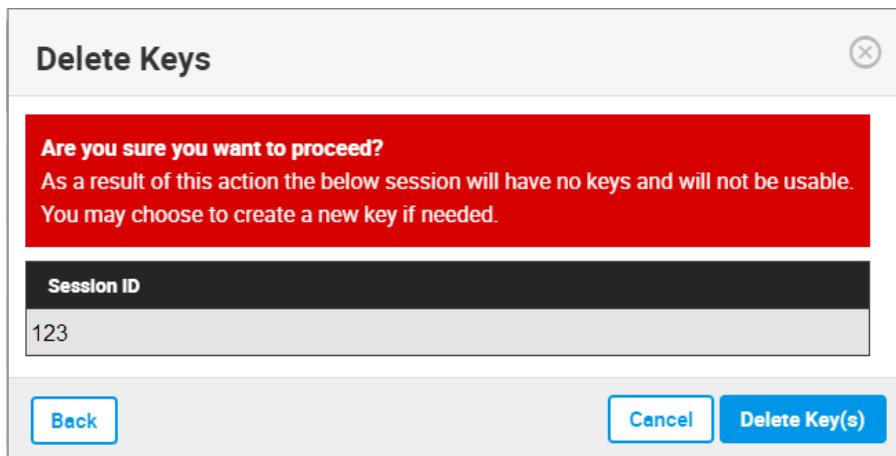
4. From the menu, select **Delete Keys**.



5. On the dialog that appears, select **Delete Keys**.



6. Select a response to the confirmation dialog.



The screen refreshes to update the status of the *Key ID*, a confirmation banner appears, email confirmation is sent to the registered address and the request is added to [My Requests](#).

The request to delete keys for your sessions has been processed successfully and the keys have now been deleted
Request #126370

Downloading Session Keys

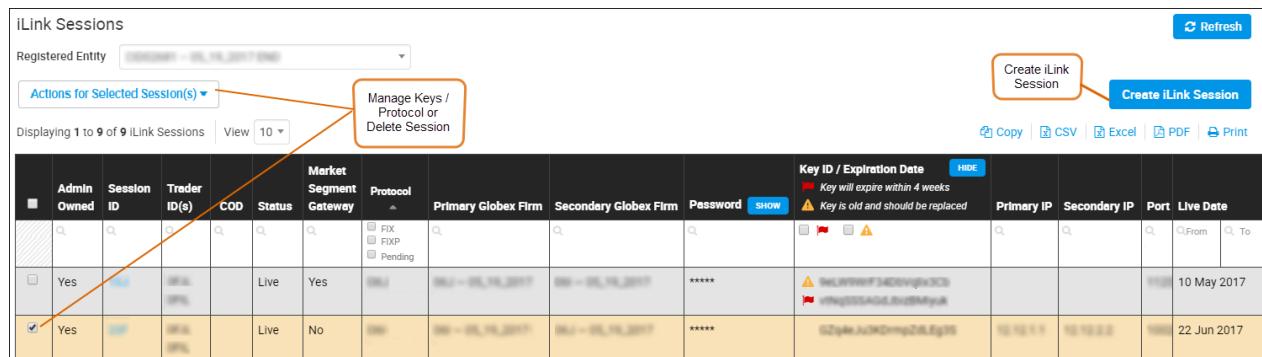
Once [generated](#), secure key information is available for download.

► To download an existing HMAC authentication key:

1. From the CME Customer Center, navigate to: **Request Center (ESS) > Globex Requests > iLink Sessions**, then select a **Registered Entity**.

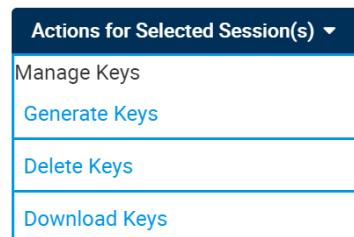
If you have access to only one entity, a list of iLink Sessions will appear.

2. Select the **iLink session**, which activates the **Actions for Selected Sessions** menu.

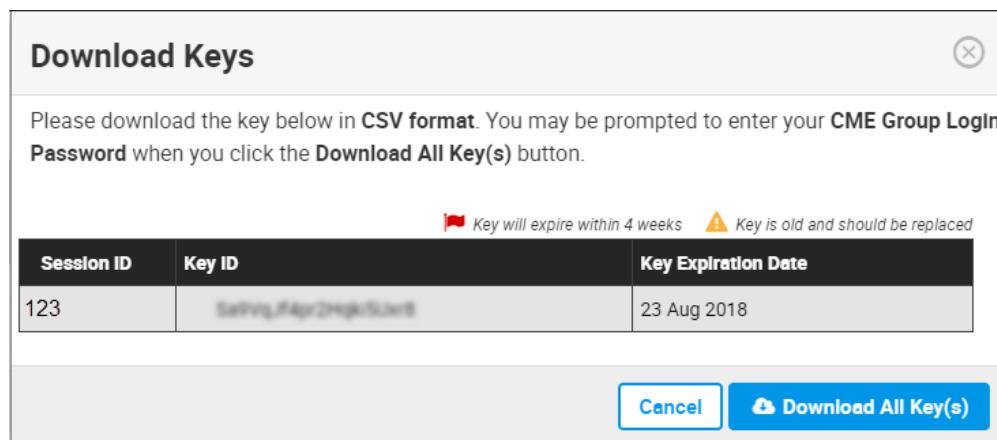


| iLink Sessions | | | | | | | | | | | | Create iLink Session | | | | |
|---------------------------------------------------|-------------------------------------|------------|----------------------|----------------------|--------|------------------------|----------------------|----------------------|-----------------------|----------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|-------------|
| Registered Entity | | | | | | | | | | | | Create iLink Session | | | | |
| Actions for Selected Session(s) ▼ | | | | | | | | | | | | Copy CSV Excel PDF Print | | | | |
| ■ | Admin Owned | Session ID | Trader ID(s) | COD | Status | Market Segment Gateway | Protocol | Primary Globex Firm | Secondary Globex Firm | Password | Show | Key ID / Expiration Date HIDE | Primary IP | Secondary IP | Port | Live Date |
| | <input type="checkbox"/> | Q | Q | Q | Q | Q | Q | Q | Q | Q | Manage Keys / Protocol or Delete Session | ■ Key will expire within 4 weeks ▲ Key is old and should be replaced | Q | Q | Q | Q From To |
| | <input type="checkbox"/> | Yes | Edit | Edit | Live | Yes | Edit | Edit | Edit | ***** | | Manage Keys / Protocol or Delete Session | | | | 10 May 2017 |
| | <input checked="" type="checkbox"/> | Yes | Edit | Edit | Live | No | Edit | Edit | Edit | ***** | | Manage Keys / Protocol or Delete Session | Edit | Edit | Edit | 22 Jun 2017 |

3. From the menu, select **Download Keys**.



4. On the Generate New Keys dialog, select **Download All Keys**.



The user's multi-factor authenticated credentials are evaluated, to verify the requestor's identity. A cryptographically random key pair is generated; consisting of an Access Key ID and a Secret Keysecure ID.

The screen refreshes to include the *Key ID*, confirmation banner appears, email confirmation is sent to the registered address and the request is added to [My Requests](#).

Download Key

The keys below will be downloaded in Text format. You will be prompted to enter a security code on the next screen.

| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|---------------------|-------------------|---------------------|
| AA1234 | 1234567890asdfghjkl | 15 May 2025 | 15 May 2026 |

[Cancel](#) [Download](#)

5. If not downloaded (to the default browser directory), select **Download All Keys**, to access a text file, that contains the secure (private) key.

The file is named with the following pattern: *iLink_Session_Access_Secure Key_Download_yyyy-dd-mm*.

6. From the saved file, view the corresponding **Secure Key**, which is used for securing Order Entry access and transactions.

BrokerTec Market Data Sessions

Using the Market Data Sessions page, authorized users can create and manage sessions that can access TCP market data via an API connection.

The following functions are available:

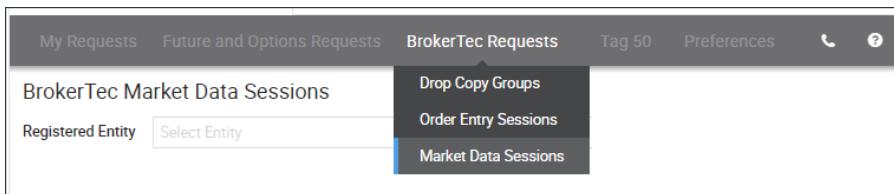
Creating BrokerTec Market Data Sessions

On the BrokerTec Requests - Market Data Sessions page, users can create new BrokerTec market data sessions.

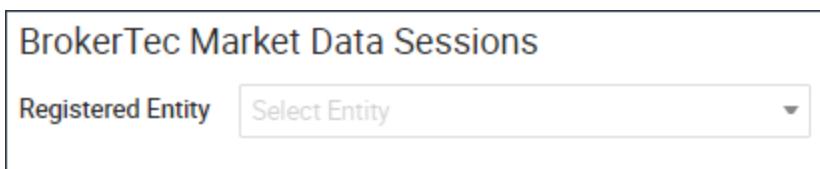
[Globex Firm IDs](#) and [Globex User Signatures](#) must be created before requesting market data sessions.

► To create a new BrokerTec market data session:

1. From the *Request Center (ESS)- BrokerTec Requests* function, select **Market Data Sessions**.



2. Select a **Registered Entity**, if necessary.



This is automatically selected for users with permissions for just one entity.

Existing market data sessions appear in a list.

3. Select **Create New Market Data Session** and select a **market** (*BrokerTec EU* or *BrokerTec U.S.*).



4. Enter the session details.

New BrokerTec Market Data Session

*** Globex Firm**
Select Globex Firm

*** Product Entitlements**
Select Product Entitlements

*** Number of Sessions**
Select Number of Sessions

*** Front End System**
Select a Front End System

*** Requested Live Date**
21 Oct 2020 

Cancel **Submit**

- **Globex Firm**
- **Product Entitlements**
- **Number of Sessions:** Upon submitting the request a fee acknowledgment (if applicable) indicates the amount per session and total.
- **Front End System:** Select the application(s) for which the session is authorized.
- **Requested Live Date:** The effective date the session will be available.

5. To finalize, select **Submit**.

A notification appears at the top of the screen and an email notification is sent to the registered email address.

The request will have a status of In-Progress until it is processed daily beginning at 4 PM CT.

The request is processed and updated with a status:

- **Completed:** After validation and setup, the status changes to Completed and the created session appears on the BrokerTec *Market Data Sessions* page, with an assigned *Session ID*.
- **Failed:** Failed requests indicate the reason for failure and appears on the My Requests page.

CME Group uses a secure login process for [Drop Copy](#), [Order Entry](#) and Market Data API services.

Using self-service functions, users can generate and manage key pairs ([Access Key ID](#)*Secure login request + Secret Key**Used to create HMAC signature.*) to secure user login and Market Data message activity.

- **Customer identity verification:** Login is signed with CME Group issued and validated security credentials.
- **Message confidentiality and integrity:** CME Globex uses customer submitted credentials to calculate the HMAC value to validate against a login request.
 - Once created, credentials are accessible and available for multiple downloads.
 - In situations when a secure key is within four weeks of expiration, a user can have two secure key pairs. Notification of pending security credential expiration will be sent by email to registered administrators.
- If a customer generates a third secure key pair:
 - The user must delete a secure key pairs immediately.
 - The oldest secure key pair will expire in four weeks (at market close).

[Generating Keys for BrokerTec Market Data Sessions](#)

Users can set up a secure key pairs (Access Key ID + Secret Key), using Hashed message authentication codes (HMAC) to secure login to API Market Data sessions.

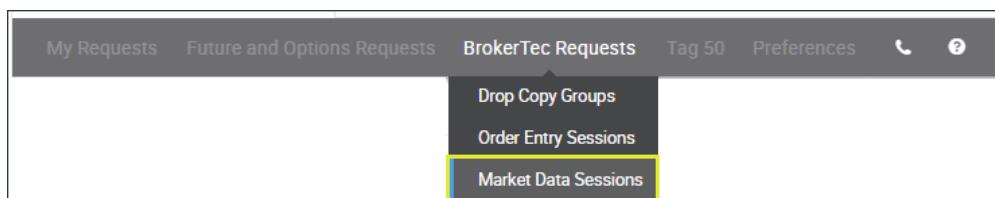
Secure key pairs are valid for 12 months and are notified prior to expiration. Notification regarding pending security credential expiration will be sent to registered administrators by email and will appear via a system notification on the Drop Copy, Order Entry or Market Data Session modules.

Prior to expiration a *second* key pair can be created and the initial key pair remains active for up to four weeks, after which the older key pair is automatically expired (after market close).

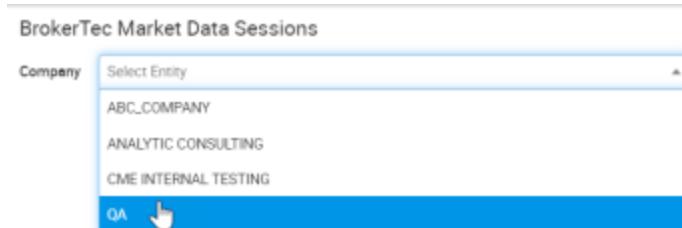
If a *third* secure key pair is generated, an existing *customer selected* secure key pair will be deleted immediately.

► To generate keys for BrokerTec Market Data sessions

1. From the *Request Center (ESS) - BrokerTec Requests* function, select **Market Data Sessions**.

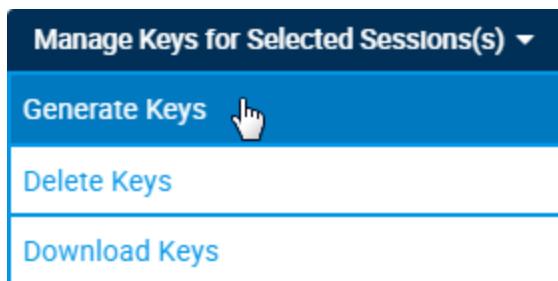


2. Select a **Registered Entity**, if necessary.



This is automatically selected for users with permissions for just one entity.

3. Select a **Session ID(s)**.
4. Select **Manage Keys for Selected Session(s)**.



5. Select **Generate Keys**.
The Generate New Keys window displays existing key IDs.

Generate New Keys

Only one active key is allowed per session.
Please select which key below you would like to **delete immediately** for the following session.
Please Note: Any additional keys will be expired in 4 weeks.

Select all oldest keys ✖ Key will expire within 4 weeks ⚠ Key is old and should be replaced

| Session ID | Key ID(s) | Key Creation Date | Key Expiry Date | Environment |
|------------|---------------------------------------------|----------------------------|----------------------------|-------------|
| VJB | HGTaKT9XsSaVqaJB77F QH7AV6vf2UKmSn03DSgB | 28 Sep 2017 03 Oct 2017 | 31 Oct 2017 03 Oct 2018 | NEWRELEASE |

Cancel Delete Selected Key(s) and Proceed

If prompted, select a key to be deleted immediately.

- Existing Key ID to be expired in 4 weeks.
- Existing Key ID to be deleted immediately - this key id will be deleted immediately upon creation of a new key id.

6. Click **Generate Key(s)**.

A notification at the top of the screen and the Download Keys window are displayed. An email notification is sent to the registered email address.

Generate New Keys

A new key will be generated for the following session:

| Session ID | Existing Key ID to be expired in 4 weeks | Existing Key ID to be deleted immediately | Environment |
|------------|------------------------------------------|-------------------------------------------|-------------|
| VJB | QH7AV6vf2UKmSn03DSgB | HGTaKT9XsSaVqaJB77F | NEWRELEASE |

Back Cancel Generate Key(s)

7. Click **Download All Key(s)**.

Download Keys

Please download the key below in **Text format**. You may be prompted to enter your **CME Group Login Password** when you click the **Download All Key(s)** button.

✖ Key will expire within 4 weeks ⚠ Key is old and should be replaced

| Session ID | Key ID | Key Expiration Date | Environment |
|------------|----------------------------------------------|----------------------------|-------------|
| VJB | QH7AV6vf2UKmSn03DSgB TTW3r0eUFdr9/M8aYnnn | 31 Oct 2017 03 Oct 2018 | NEWRELEASE |

Cancel Download All Key(s)

8. Enter the **security code** that was sent to your device.

Download Keys

Protect your CME Group Account

In order to maintain the highest level of security, a security code has been delivered to your device. If you did not receive this Security code, please click **Resend Code**. If you are unable to receive the security code, please contact EASE at +1 312 456 1560 (US) or +44 20 3379 3802 (Europe) or +65 6593 5596 (Asia).

Resend Code

Security Code

Cancel **Download All Key(s)**

If you did not receive the security code, select **Resend Code**, then **Download they Key(s)**.

The file is saved to the default browser directory.

Deleting Keys for BrokerTec Market Data Sessions

► To delete keys for BrokerTec Market Data sessions

1. Select a **Market Data Session ID**.
2. Select **Manage Keys for Selected Session(s) > Delete Keys**.

Actions ▾

Manage Keys

Generate

Delete

Download

If there is more than one key for a session, select the key(s) to be deleted.

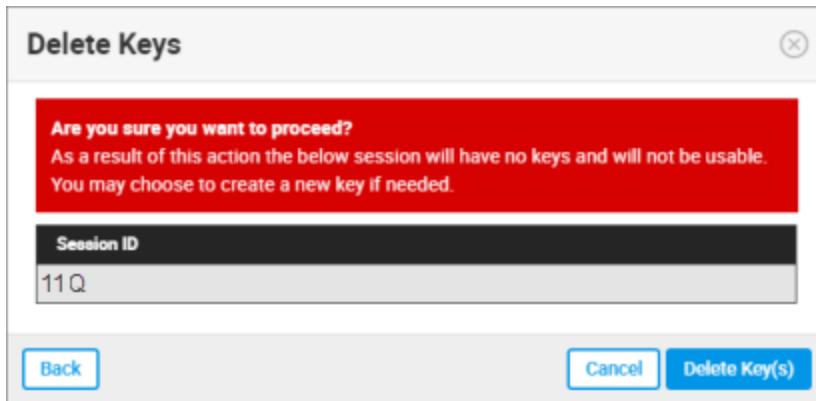
Delete Key

The following key(s) will be deleted.

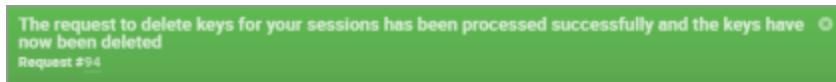
| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|---------------------|-------------------|---------------------|
| AA1234 | 1234567890asdfghjkl | 15 May 2025 | 15 May 2026 |

Cancel **Submit**

3. Select **Delete Key(s)**.
4. In the confirmation window, select **Delete Key(s)** again.



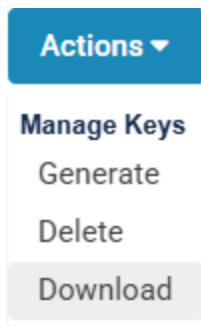
A notification displays at the top of the screen. An email notification is sent to the registered email address.



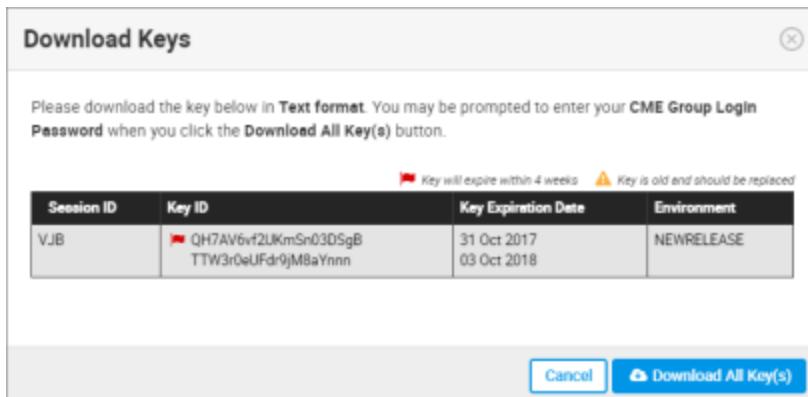
Downloading Keys for BrokerTec Market Data Sessions

► To download existing keys in text format for BrokerTec Market Data sessions

1. Select a **Market Data Session ID(s)**.
2. Select Manage Keys for **Selected Session(s)** > **Download Keys**.
3. Select **Download Keys**.

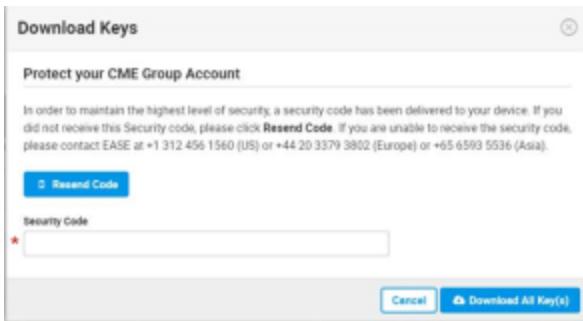


4. Click **Download All Keys**.



5. Enter the security code that was sent to your device.

If you did not receive the security code, select **Resend Code**.



6. Select **Download All Key(s)**.

The file is saved to the default browser directory.

EBS Requests

EBS Requests is a self-service function used to create and manage entity information for CME Globex - EBS entities.

For setup details, refer to the [EBS Operational Readiness Guide](#),

- a. [Create](#) or use an [existing](#) CME Group Login.
- b. Sign the CME Customer Center Customer [Self-Service Form](#).
- c. Request self-service application access from your firm's Admin Manager: The Admin manager assigns application access with the [User Administration](#) functions or requests via registration forms.
- d. [New Release Setup](#)
 - [Network Connectivity](#)
 - Setup Request Center (NR/CERT)
 - [Test and Certify](#) Application Programming Interfaces (API)
- e. Production Setup
 - Network Connectivity
 - Setup API applications
 - Entity configuration, application access and [secure key](#)
 - Setup User Interface [Applications](#)

EBS Requests Functions

- [Globex Firm IDs](#): Create and manage GFIDs, which identify EBS market participants.
Also known as Deal / Floor Code.
- [Globex User Signatures](#): Create and manage a GUS, which identifies EBS participants (persons or algo operators) authorized to manage EBS GFID market participant details and submit trades for the GFID and entity.
Also known as Trader ID.

Note: A GUS can be associated to multiple GFIDs; however, only one GUS/GFID association can be created per request.
A company can have more than one GFID and GUS for each venue / market.

- [Algorithmic Trading](#): Identify algorithmic trading systems used by the GFID and GUS and submit an Algorithmic Trading Certification Form.
- [Drop Copy Groups](#): Create sessions to monitor trading activity messages and manage secure key pairs for session authentication.
- [Order Entry Sessions](#): Create and manage order entry sessions, which are used for bidirectional order entry messages and manage secure key pairs for session authentication.

Note: Using self-service functions, users can create a **SenderComp** [a concatenation of the Globex Firm ID (GFID), Order Entry Session (Session ID) and a Fault Tolerance Indicator (FTI)], to submit production environment orders.

The FTI is not managed in Request Center (ESS), but it can be submitted in messages.

See also: [Cancel on Behalf - SenderCompID](#) / [iLink Order Entry - Fault Tolerance](#).

- [Market Data Sessions](#): Create sessions to access TCP market data via an API connection.

EBS Globex Firm ID

Using the **EBS Requests - Globex Firm IDs** function, authorized users can create and manage Globex Firm IDs (GFID) Also known as Deal/Floor Code (also known as Deal / Floor Code) which identify EBS market participants at an entity.

- Note:** Within a given entity, multiple GFIDs can be created.
 - A company can have more than one GFID for each venue (market) and assigned a GUS.
 - A GUS can be associated to multiple GFIDs; however, only one GUS/GFID creation request can be created at a time.

EBS - Globex Firm ID Functions

- [Creating a EBS Globex Firm ID](#)

After creating a GFID, create a [Globex User Signature](#) to assign a person to manage EBS GFID market participant details and submit trades for the GFID and entity.

- [Request status](#)

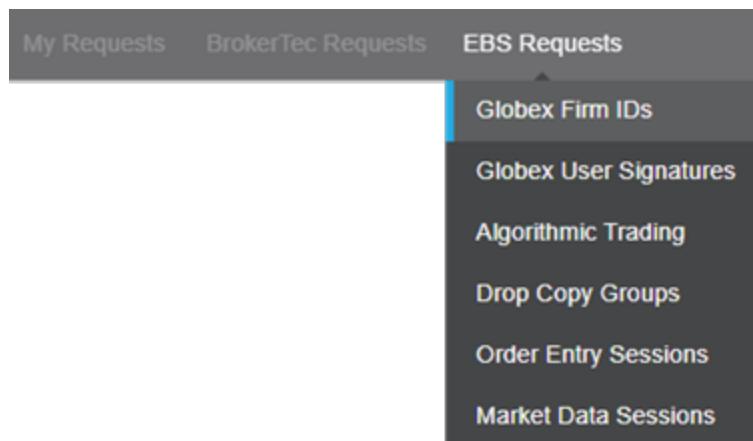
Creating a EBS Globex Firm ID

The following instructions illustrate the process to *access* EBS Requests - Globex Firm ID functions and *create* a new Firm ID.

Step 1: GFID Information Step 2: Venue Information Step 3: Order Entry Products Step 4: Confirm

To create an EBS Globex Firm ID:

- From the Request Center (ESS) menu, select **EBS Requests > Globex Firm IDs**.



Note: If you have access to more than one registered entity, select from the drop-down menu.

EBS Globex Firm IDs (GFID)

Registered Entity

- From the EBS Globex Firm IDs page, select the **Create Globex Firm ID** button, then complete the following fields (as applicable).

My Requests BrokerTec Requests EBS Requests

EBS Globex Firm IDs (GFID)

Manage Globex Identifiers (GFID/Firm Signature) for administration, product permissioning, and risk control activities.

My GFIDs Prime GFIDs Pending Prime Requests

Include Expired

Refresh Export **Create Globex Firm ID**

GFID/Public ID ▾ GFID Name ▾ Administration Group ▾ Organization ▾ Credit Parent Public ID ▾ Participant Type ▾ Venue ▾ Effective Date ▾ Status Actions

| GFID | GFID Name | Administration Group | Organization | Credit Parent Public ID | Participant Type | Venue | Effective Date | Status | Actions |
|-------|------------------|----------------------|--------------|-------------------------|------------------|-----------|-----------------------|--------|---------|
| FIRM1 | FIRM1 ORDER TEST | TEST | EFIX1 | | E-MINI | Bilateral | EBS Globex 07/21/2021 | Active | |

Rows per page : 10 ▾ 1-1 of 1

« < Prev 1 of 1 Next > »

- [Step 1: GFID Information](#)
- [Step 2: Venue Information](#)
 - [Transaction Reporting](#) - applicable only for UK MTF
- [Step 3: Order Entry Products](#)
- [Step 4: Market Data Products](#)
- [Step 5: Confirm](#)

3. Specify GFID Information:

EBS Globex Firm IDs(GFID)

Create Globex Firm ID

Step 1: GFID Information Step 2: Venue Information Step 3: Order Entry Products Step 4: Confirm

Globex Firm ID Information

a. Will This GFID Have A Credit Parent?

Yes No

b. Administration Group (AG)

Select...

c. Globex Firm ID Name

d. Effective Date

09/13/2021

e. Operating City Operating Country Select... Operating Postal Code Optional

Cancel **Next**

- a. Specify whether the GFID will have a credit parent then complete additional fields.

If Yes, enter the **Credit Parent Public ID** and *additional fields*

Globex Firm ID Information Will This GFID Have A Credit Parent?

Yes No

Credit Parent Public ID **Confirm** (highlighted field)

Administration Group (AG)

Globex Firm ID Name

Effective Date

Operating City Optional Operating Country (highlighted field) Operating Postal Code Optional

If the intended Operating Country is not available in the option, please contact your account manager.

If No: enter the **Public ID** and *additional fields*

Globex Firm ID Information Will This GFID Have A Credit Parent?

Yes No

Administration Group (AG) Public ID Tri-Party Participant (highlighted field)

Globex Firm ID Name

Effective Date

Operating City Optional Operating Country (highlighted field) Operating Postal Code Optional

If the intended Operating Country is not available in the option, please contact your account manager.

i **Note:** For additional information on EBS GFID and the relationship between credit parents and prime customer / trading participants, see the [Client Systems Wiki - EBS Credit Overview on CME Globex](#).

- b. **Administration Group:** A logical grouping of GFIDs, at an entity, with a designated individual that is assigned entitlements to manage GFIDs, details and the ability to create groups of GFIDs for administrative / service management and transaction separation.
- **Public ID / Credit Parent Public ID:** The unique 4-character id which the public knows the firm as.
 - **Tri Party Information:** If the new GFID is a Bilateral market participant and trades EBS Direct (only) through a Tri-party agreement with a bank, the bank is responsible for the settlement of deals traded by the GFID; select the checkbox.
 - **Administration:** Applicable if the Tri-party agreement, for the selected GFID, is with a single bank. The bank's admin managers may join in the same Triparty AG (company name as agent of <bank>) and (optionally) manage credit. Also specify the **Credit Administrator Public ID**.
 - **Non-Administration:** The entity is responsible for managing administration, including credit, on behalf of the bank with whom the GFID has a tri-party agreement.

- **Credit Administrator Public ID and Legal Entity Identifier (LEI):** The unique 4-character id which the public knows the firm as
- **Credit Administrator Legal Entity Identifier (LEI):** Valid identifiers are required for all registered entities.

Note: Refer to the Global Legal Entity Identifier Foundation (GLEIF) database at www.gleif.org.

- Globex Firm ID Name:** Specify a unique (at the entity) market participant name.
- Effective Date:** GFIDs do not require approval and are available for order entry on the specified date (default is today).
- Operating City / Country / Postal Code:** If the intended country is not available, contact [Global Account Management](#).

Administration Group (AG) TEST - CID000000 Public ID TEST Tri-Party Participant

Globex Firm ID Name test

Effective Date 07/05/2024

Operating City test Optional Operating Country **FRANCE** If the intended Operating Country is not available in the option, please contact your account manager.

Operating Postal Code Optional

Tri Party Information Non Administration Administration required

- Specify **Venue Information** and [Transaction Reporting](#) acknowledgment (applicable only for UK trading venue operators).

EBS Globex Firm IDs(GFID)

Create Globex Firm ID

Organization: [REDACTED]
AG: [REDACTED]
Public ID: TEST
GFID Name: test

Step 1: GFID Information Step 2: Venue Information Step 3: Order Entry Products Step 4: Market Data Products Step 5: Confirm

Venue Information

Venue

EBS Globex EBS Direct

Back Cancel Next

- Select the **Venue** (trading platform): *EBS Globex / EBS Direct*.

Note: For details, refer to the [EBS Legal Entity and Regulatory Structure](#).

- SWIFT BIC Code:** Also known as SWIFT number.
If *EBS Direct* is selected, also specify:
 - Default GUS:** The GFID cannot be used for trading until a GUS is assigned.
 - SWIFT BIC Code:** Also known as SWIFT number.
SWIFT is the Business Identifier Code (BIC) that identifies financial institutions. It consists of the Bank Code (4 letters), Country Code (2 letters), Location (2 characters), Branch Code (3 numbers).
 - EBS Direct Connection Region:** Specify the EBS Direct Connection Region for the GFID.
Specific to the *EBS Direct connection*, not the operating country.

- **Liquidity Information:** (required - If EBS Direct is selected) Specify whether the GFID is a *Liquidity Provider* and/or *Liquidity Consumer*.
- b. **Transaction Reporting** (Applicable for participants of the EBS UK MTF): The following questions determine if your firm falls under the scope of MiFIR / UK MiFIR, and has an obligation to report transactions to the relevant competent authority.

"Please confirm if the participant is a UK MIFID Investment Firm or is trading on the trading venue through a UK branch or is otherwise required to comply with the transaction reporting requirements of Article 26 of UK MiFIR."

- *By selecting Yes*, the participant is deemed to report all transactions in financial instruments executed by the participant on the trading venue.

- *By selecting No*, the operator of the trading venue shall report the details of transactions in financial instruments executed by the participant on the trading venue.

Pursuant to Article 26(5) of Regulation (EU) 600/2014 (MiFIR) and as onshored (UK MiFIR), trading venue operators are required to report details of transactions which are executed through their systems by a firm which is not itself subject to the MiFIR transaction reporting regime. Transactions executed by participants which are required to transaction report under MiFIR (e.g. UK MIFID firms) should be reported by the participant and not the trading venue operator. The following questions are intended to determine if your firm falls under the scope of UK MiFIR, and has an obligation to report transactions to the relevant competent authority.



If you are uncertain about how to respond to these questions, or your firm's regulatory status, please consult with your legal or compliance team.

Applicable for participants of the EBS UK MTF

Please Confirm If The Participant Is A UK MIFID Investment Firm Or Is Trading On The Trading Venue Through A UK Branch Or Is Otherwise Required To Comply With The Transaction Reporting Requirements Of Article 26 UK MiFIR.

Yes No

Note: If Yes is selected, the participant is deemed to report all transactions in financial instruments executed by the participant on the trading venue.

If No is selected, the operator of the trading venue shall report the details of transactions in financial instruments executed by the participant on the trading venue.



Note:

Pursuant to Article 26(5) of Regulation (EU) 600/2014 (MiFIR) and as onshored (UK MiFIR), trading venue operators are required to report details of transactions which are executed through their systems by a firm which is not itself subject to the MiFIR transaction reporting regime. Transactions executed by participants which are required to transaction report under MiFIR (e.g. UK MIFID firms) should be reported by the participant and not the trading venue operator. The following question is intended to determine if your firm falls under the scope of UK MiFIR, and has an obligation to report transactions to the relevant competent authority.

If you are uncertain about how to respond to these questions, or your firm's regulatory status, consult with your legal or compliance team.

5. Select from *credit screened* **Order Entry Products** to enable; including **Maximum Order Size** (currency or quantity).



Note: An additional feature includes ability to assign FX Spot+ products, which is performed using the Globex User Signature function.

- Select / Deselect all products within a group.
- Expand / Collapse to show / hide individual products.

Step 1: GFID Information Step 2: Venue Information Step 3: Order Entry Products Step 4: Market Data Products Step 5: Confirm

Order Entry Products

- OFF SEF/ON MTF NDFs (0 of 21)
- ON SEF/ON MTF NDFs (24 of 24)
- eFix Matching (117 of 117)
- Spot FX (55 of 55)
- Spot Precious Metals (8 of 8)

a **Manage Product Entitlements** **b** [Manage Max Order Size](#)

Automatically Enable New Products For Access Group

Filter By Currency/Metal [Select...](#)

Select All

| | | |
|-------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| <input checked="" type="checkbox"/> FXSPOT.XAU/USD_SM | <input checked="" type="checkbox"/> FXSPOT.XAG/USD | <input checked="" type="checkbox"/> FXSPOT.XPD/USD |
| <input checked="" type="checkbox"/> FXSPOT.XPD/USD_LN | <input checked="" type="checkbox"/> FXSPOT.XPT/USD | <input checked="" type="checkbox"/> FXSPOT.XAU/EUR_SM |
| <input checked="" type="checkbox"/> FXSPOT.XPT/USD_LN | <input checked="" type="checkbox"/> FXSPOT.XAG/USD_SM | |

[Back](#) [Cancel](#) [Next](#)

- a. **Manage Product Entitlements:** Expand and select specific products.

Manage Product Entitlements [Manage Max Order Size](#)

Automatically Enable New Products For Access Group

Filter By Currency/Metal [Select...](#)

Select All

| | | |
|-------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| <input checked="" type="checkbox"/> FXSPOT.XAU/USD_SM | <input checked="" type="checkbox"/> FXSPOT.XAG/USD | <input checked="" type="checkbox"/> FXSPOT.XPD/USD |
| <input checked="" type="checkbox"/> FXSPOT.XPD/USD_LN | <input checked="" type="checkbox"/> FXSPOT.XPT/USD | <input checked="" type="checkbox"/> FXSPOT.XAU/EUR_SM |
| <input checked="" type="checkbox"/> FXSPOT.XPT/USD_LN | <input checked="" type="checkbox"/> FXSPOT.XAG/USD_SM | |

- b. **Manage Max Order Size:** Specify maximum permitted order value (notional currency value or weight).

- **Spot Precious Metals:** by *thousand ounce* units (e.g. 20 = maximum order size of 20 thousand ounces of gold).

Enter a value, then select **Apply**.

Manage Product Entitlements Manage Max Order Size

Base Metal Max Order Size ⓘ

Select... ex. 100.0 K Oz **Apply** Set to max defaults

| | | | | | |
|-----------|---------------------|-----------|-------------------|-----------|---------------------|
| Max 300.0 | AG/USD | Max 950.0 | FXSPOT:XAG/USD_SM | Max 98.8 | FXSPOT:XAU/EUR |
| Max 25... | FXSPOT:XAU/EUR_SM:Q | Max 1.0 | FXSPOT:XAU/USD | Max 25... | FXSPOT:XAU/USD_SM:Q |
| Max 30.0 | FXSPOT:XPD/USD | Max 25... | FXSPOT:XPD/USD:Q | Max 30.0 | FXSPOT:XPD/USD_LN |
| Max 30.0 | FXSPOT:XPT/USD | Max 25... | FXSPOT:XPT/USD:Q | Max 30.0 | FXSPOT:XPT/USD_LN |

- **Currency:** by *millions* of the selected currency (e.g. 25 = maximum order size of 25 million of the select currency).

eFix Matching (97 of 97)

Manage Product Entitlements Manage Max Order Size

Base Currency Max Order Size ⓘ

Select... ex. 100 M **Apply**

Example:

- (1) Selection of Spot Precious Metals - Gold products
- (2) Maximum order size of 10 thousand ounces
- (3) Select **Apply**

Manage Product Entitlements Manage Max Order Size

Set Max Order Size by base currency group

Base Metal Max Order Size ⓘ

XAU 10 K Oz **Apply** 2 3

- c. **Short Code:** The short code is required to trade products and associated with the GUS.

Step 4: Market Data Products:

6. Select **Market Data Products**; default selections include Order Entry products from the [previous](#) step.

Spot Precious Metals (8 of 8)

FXSPOT:XA_U/USD_SM FXSPOT:XA_G/USD FXSPOT:XP_D/USD FXSPOT:XP_D/USD_LN FXSPOT:XP_T/USD FXSPOT:XA_U/EUR_SM

FXSPOT:XPT/USD_LN FXSPOT:XA_G/USD_SM

Additional market data products can be selected / deselected, as necessary.

| Step 1: GFID Information | Step 2: Venue Information | Step 3: Order Entry Products | Step 4: Market Data Products | Step 5: Confirm |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| EBSSCREENED Please note the Market Data publication for eFix Matching and/or Midbooks only includes Security Definition and Market Status Update messages. | | | ON SEF/ON MTF NDFs (2 of 2) OFF SEF/OFF MTF NDFs (1 of 1) eFix Matching (94 of 94) Spot FX (0 of 57) EBS-CERTIFICATION (8 of 8) Spot Precious Metals (8 of 8) | |
| EBSUNSREENED | | | <input checked="" type="checkbox"/> FXSPOT.EUR/ RUB <input checked="" type="checkbox"/> FXSPOT.USD/ RUB <input checked="" type="checkbox"/> EBS-ACP.FXSP OT.USD/CNH <input checked="" type="checkbox"/> TEST.EBS-ACP. FXNDF.USD/BRLE OM_SEF.2 <input checked="" type="checkbox"/> TEST.EBS-ACP. FXNDF.USD/BRLE OM_SEF.3 <input checked="" type="checkbox"/> TEST.EBS-ACP. FXNDF.USD/BRLE OM_SEF.4 | |
| EBSSPECTRUM | | | <input checked="" type="checkbox"/> Spectrum Spot | |
| <div style="display: flex; justify-content: space-between;"> Back Cancel Next </div> | | | | |

7. Review GFID selections, then select **Confirm** and **Submit**.

A screen *notification* appears, indicating successful submission.

Create Globex Firm ID

Step 1: GFID Information Step 2: Venue Information Step 3: Order Entry Products Step 4: Market Data Products Step 5: Confirm

Please review the details below to ensure the information is accurate before submitting.

| | | | |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------|
| Globex Firm ID Information | GLOBEX FIRM ID (GFID) DETAILS Organization: TEST AG Administration Group: TEST AG 001 - CID02335 Public ID: TEST GFID Name: test | Effective from: November 02, 2021 Operating City: c Operating Country: UNITED STATES OF AMERICA | |
| Venue Information | Market Details Venue: EBS Globex | EEA Branch: No FCA: No | |
| Order Entry Products Information | ORDER ENTRY ACCESS GROUPS OFF SEF/OFF MTF NDFs(21 of 21) ON SEF/ON MTF NDFs(24 of 24) eFix Matching(117 of 117) EBS-CERTIFICATION(1119 of 1119) Spot FX(55 of 55) Spot Precious Metals(8 of 8) | | |
| Market Data Products Information | Credit Screened OFF SEF/OFF MTF NDFs(21) ON SEF/ON MTF NDFs(24) eFix Matching(117) EBS-CERTIFICATION(1096) Spot FX(55) Spot Precious Metals(8) | Unscreened FXNDF.USD/VND.1M | Spectrum Spectrum Spot |

[Edit](#) [Edit](#) [Edit](#)

[Back](#) [Cancel](#) [Confirm and Submit](#)

Review or create an associated [Globex User Signature \(GUS\)](#).

Note: If you receive an error when creating your Globex Firm ID stating "Firm ID you are trying to create already exists" please contact [Global Account Management](#).

Additional EBS GFID Functions

Manage Globex Identifiers (GFID/Firm Signature) for administration, product permissioning, and risk control activities.

My GFIDs Prime GFIDs Pending Prime Requests

Include Expired

Refresh Export Create Globex Firm ID

| GFID/Public ID | GFID Name | Administration Group | Organization | Credit Parent Public ID | Participant Type | Venue | Effective Date | Status | Actions |
|----------------|------------------|----------------------|--------------|-------------------------|------------------|------------|----------------|--------|---------|
| FIRM1 | FIRM1 ORDER TEST | TEST EFIX1 | E-MINI | | Bilateral | EBS Globex | 07/21/2021 | Active | |

Rows per page : 10 1-1 of 1

My GFIDs

Prime GFIDs

Pending Prime Requests

- **My GFIDs:** List of GFIDs associated to Administration Groups (AGs) which the user has permission to view / manage.
- **Prime GFIDs:** List of Children GFIDs associated to Credit Parent GFIDs that are associated to AGs which the user has permission to view / manage.
- **Pending Prime Requests:** List of Requested Children GFIDs associated to Credit Parent GFIDs that are associated to AGs which the user has permission to view / manage. Pending Prime requests must be reviewed and approved before it is available for use.
- **Include Expired:** by default expired GFIDs are hidden
- **Refresh:** view recently added GFIDs
- **Export :** Download the list of GFIDs to a .csv file.
- **Sort / Filter:** Enter search criteria in the top row, matching results appear as you type, select a heading to sort ascending or descending.
- **Actions:**
 - **Delete** - Select delete and the confirmation dialog.
 - **Export GFID** - details as csv file
 - **Edit GFID** - For update details, refer to steps 3 through 7.

EBS Globex User Signature

Using the **EBS Requests - Globex User Signatures (GUS)** function, authorized users can create and manage EBS Globex User Signatures. Legacy EBS Market term is Trader Id. (also known as Trader ID), which identify persons or algo operators authorized to manage EBS Globex Firm ID (GFID) market participant details and submit trades for the GFID and entity.

Note: A GUS can be associated to multiple GFIDs; however, only one GUS and GFID association can be created per request.

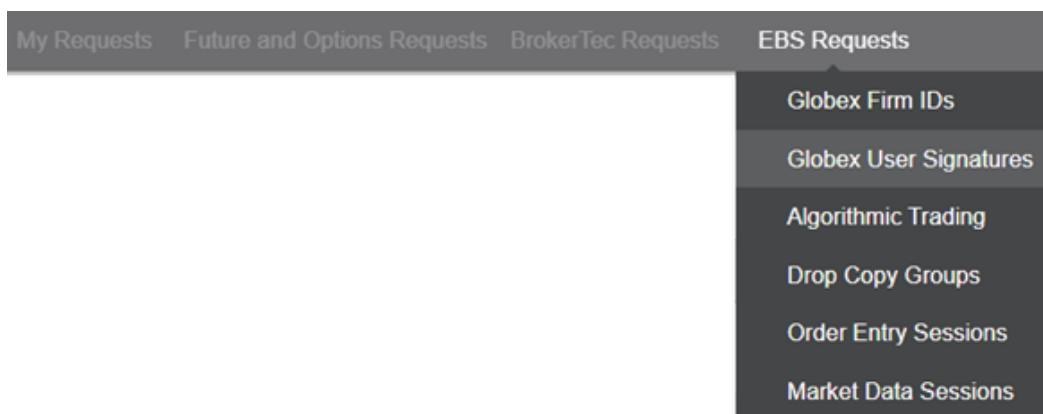
A company can have more than one GFID and GUS for each venue / market.

Accessing EBS Globex User Signature

The following instructions illustrate the process to access the EBS Globex User Signatures (GUS) function.

► **To access EBS Globex User Signature:**

From the Request Center (ESS) menu, select **EBS Requests > Globex User Signatures**.



If you have administrator entitlements for more than one entity, select the **Administration Group (Registered Entity)** to manage from the drop-down menu.

The screenshot shows the 'EBS Globex User Signature (GUS)' page. The header bar includes links for 'My Requests', 'My Requests (ESS)', 'Contacts', 'Future & Options Requests', 'BrokerTec Requests', 'EBS Requests' (which is underlined), and 'Preferences'. Below the header, a sub-header reads 'EBS Globex User Signature (GUS)'. A note states: 'The Globex User Signature (GUS) is an identifier assigned to a particular participant on CME Globex. Establish and/or maintain GUS information.' A dropdown menu is open under 'Administration Group (Registered Entity)', with the option 'Select Entity' visible.

On the list of GUS identifiers, a header bar displays the currently selected AG/Registered Entity.

EBS Globex User Signature (GUS)

The Globex User Signature (GUS) is an identifier assigned to a particular participant on CME Globex. Establish and/or maintain GUS information.

Administration Group (Registered Entity): Clearing Firm 123 - CID000123

My GUS Prime GUS Pending Prime Requests a

Include Expired b

LEI: ABCDEFGHIJKL01234567 Legal Name: FIRM LLC AG(CID): FIRM LLC(CID000000)

| GUS | | | | | | | | | | PII | | | |
|-----|----------------|------------|-----------------|-------------|--------|-----------|------------------|------------|----------------|--------|----------------|---------------------|---------|
| GUS | GFID/Public ID | Name | CME Group Login | Customer Id | EBS WS | EBS Role | Participant Type | Venue | Effective Date | Status | Short Code | PII Status | Actions |
| A12 | SUW7 | Tom Tester | tom@firm.com | CID00000 | Yes | View Only | Prime Customer | EBS Globex | 12/05/2024 | Active | f | Export | |
| B34 | 72323 | Test User | test@firm.com | CID00000 | Yes | Trader | Bilateral | EBS Direct | 01/20/2025 | Active | 1234567 | Not Approved | |

EBS GUS Functions

- [Creating a EBS Globex User Signature](#)

After creating a GFID and GUS, create [order entry sessions](#) to transmit orders and handle order related messages.

- [Reviewing Submitted GUS Requests](#)
- [Editing EBS Globex User Signature details](#)
- [Expire EBS Globex User Signature](#) (>Delete): the selected GUS, including associated registered algorithms.
- [Cloning EBS Globex User Signature](#)

Features

a. Filter



- My GUS:** GUSs associated with Administrative Groups (AG) and their related GFIDs, which the user has permission to view / manage.
- Prime GUS:** GUSs associated with Administrative Groups (AG) and their *credit parent* GFIDs, which the user has permission to view / manage.
- Pending Prime Requests:** A list of submitted prime GUS requests for administrator review.
- Include Expired:** View all GUSs, including expired.
- Search / Filter:** Enter search criteria in the top row, results update as you type, or select the column heading to sort by ascending / descending order.
- Refresh:** Reload the page to view added, updated, deleted GUSs.
- Export:** Export the list of GUSs to a .csv format file for review offline. To export specific records, first enter search criteria in column headings.
- Actions:**
 - Delete: **Expire**the selected GUS, including associated registered algorithms.

- Export the selected GUS details as csv file.
- Edit GUS details ([GUS Information](#) / [order entry products](#) / [market data products](#)).
- Clone an existing user's configuration for a new user.
- View summary GUS details, without accessing edit mode.

Reviewing Submitted GUS Requests

An administrator of a prime credit parent is responsible for reviewing requests submitted by *Prime Customer*, *Prime-of-Prime Broker* or *Prime-of-Prime Customer* users.

► To review submitted GUS requests:

- On the EBS Globex User Signature page, select the **Pending Prime Requests** filter, then select a GUS to review.

EBS Globex User Signature (GUS)

The Globex User Signature (GUS) is an identifier assigned to a particular participant on CME Globex. Establish and/or maintain GUS information.

My GUS Prime GUS Pending Prime Requests

Please select a Prime GUS value below to review the pending request and Approve or Decline.

LEI: ABCDEFGHIJKL01234567 Legal Name: FIRM LLC AG(CID): FIRM LLC(CID00000)

| GUS | | | | | | | | | | | | | | Actions | | |
|---------------|--------------|------------|------------|-----------------|-----------------|---------|--------------|--------|----------|------------|------------------|------------------------|----------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| GFID/PublicId | Prime GUS | Prime GFID | Prime Name | CME Group Login | Email | AG | Legal Entity | EBS WS | EBS Role | Short Code | Participant Type | Venue | Requested Date | Effective Date | Status | Actions |
| 9999 | Not Assigned | P999 | Tom Tester | tom@tradeco.com | tom@tradeco.com | TradeCo | TradeCo | Yes | Trader | | Prime Customer | EBS Globex, EBS Direct | 12/07/2021 | 12/07/2021 | Request Pending   | |
| 0000 | Not Assigned | P888 | Ted Tester | ted@tradeco.com | ted@tradeco.com | TradeCo | TradeCo | Yes | Trader | | Prime Customer | EBS Globex, EBS Direct | 12/07/2021 | 03/08/2022 | Request Pending   | |

- Review the request details (GFID and GUS), including Order Entry / Market Data products.

FIRM LLC In Progress ×

| | | | |
|----------------------|------------------------|---------------------|----------------------------------|
| ID | aaa-bbbb-cccc-dddd | Requester | Tom Trader (tom@firm.com) |
| Date Received | 28 Oct 2025, 06:49 CDT | Submitter | Tom Trader (tom@firm.com) |
| Last Updated | 28 Oct 2025, 06:49 CDT | Request Type | Create EBS Globex User Signature |
| Completed | - | | |

Globex User Signature Create Details

| Administration Group (Registered Entity) | Market | GUS | GFID | Participant Type | EBS Workstation | Short Code | Effective Date |
|------------------------------------------|--------|-----|------|------------------|-----------------|------------|----------------|
| TEST Firm | EBS | HYT | 000A | Prime Customer | Trader | 1234567 | 28 Oct 2025 |

CME Group Login ID Details

| Login ID | First Name | Last Name | Email |
|--------------|------------|-----------|--------------|
| tom@firm.com | Tom | Trader | tom@firm.com |

Order Entry Products

| Order Entry Access Group | | | |
|--------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Spot Precious Metals (13 of 13), TLP SEF NDF (1 of 1), eFix Matching (97 of 97), ON SEF/ON MTF NDFs (15 of 15), Spot FX (202 of 202) | | | |

Market Data Products

| Credit Screened | | Unscreened | Spectrum Ultra | Fx Spot Plus |
|-----------------------------------------------------------------------------------------------------------------------------------|--|------------|----------------|--------------|
| Spot FX (137 of 137), Spot Precious Metals (8 of 8), TLP SEF NDF (1 of 1), ON SEF/ON MTF NDFs (15 of 15) eFix Matching (97 of 97) | | - | - | - |

- Select a decision:

- **Approve:** A confirmation banner indicates that the GUS is activated and available for use.



- **Decline:** Select if request details require update.

Creating an EBS Globex User Signature

The following instructions illustrate the process to create EBS Globex User Signatures (GUS), which identify the person or algo operator authorized to submit orders for a specific GFID, assign product entitlements and limits.

The ability to create and submit a GUS and available fields is dependent on the selected GFID and user's assigned permissions.

| Associated GFID - Type | Create / Submit | Admin Approval |
|-------------------------|-----------------|----------------|
| Bilateral | P | P |
| Prime Customer | P | |
| Prime of Prime Broker | P | |
| Prime of Prime Customer | P | |

► To create an EBS Globex User Signature:

1. From the EBS GUS page, select **Create Globex User Signature**, then specify:

EBS Globex User Signature (GUS)

The Globex User Signature (GUS) is an identifier assigned to a particular participant on CME Globex. Establish and/or maintain GUS information.

My GUS Prime GUS Pending Prime Requests

Include Expired Refresh Export Create Globex User Signature

Steps to create a GUS:

Step 1: GUS Information - identifies the person / algo operator, type, entity information / relationships, trading venue.

Step 2: Order Entry Products - specify available products available for the GFID & GUS, including maximum order size.

Example: Entitle an entire *Product Group*, *individual products* or *FX Spot+* products.

Step 3: Market Data Products - request to receive security definition, market status data for the selections.

Step 4: Confirm - review all information on a summary screen before submitting.

Step 1: GUS Information

EBS Globex User Signature (GUS)

Create Globex User Signature

Step 1: GUS Information

Step 2: Order Entry Products

Step 3: Confirm

Globex User Signature Information

Associated Globex Firm ID ?

Effective Date ?

10/26/2021



EBS WORKSTATION

Workstation Access

[Cancel](#)

[Next](#)

- a. **Associated Globex Firm ID:** Select the [GFID](#) (maximum 32 character) to associate with the GUS person / algo operator.

Available fields may vary, based on selected GFID and credit parent relationship (GFIDs associated with *Prime Customer*, *Prime of Prime Broker* or *Prime-of-Prime Customer*).

After selecting the GFID, additional GFID details appear.

| | | | |
|------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------|
| a | Associated Globex Firm ID <small>?</small> 12345 - ABCDE | Institution Group Bank | Administration Group (AG) CLEARING LLC |
| b | Participant Type Prime Customer | Public ID 0000 | |
| c | Credit Parent Institution Bank | | |
| d | Venue <input checked="" type="checkbox"/> EBS Globex <input type="checkbox"/> EBS Direct | | |
| e | Globex User Signature <small>?</small> TEST | <input checked="" type="checkbox"/> Default GUS | |
| f | Effective Date <small>?</small> 07/16/2025 | | |
| EBS WORKSTATION | | | |
| g | Workstation Access No | | |

- **Institution Group:** legally related participants, as defined by CME Group.
- [Administration Group \(AG\)](#)

- **Participant Type:** Bilateral, Sponsored, Self-Prime (more information is available on the [CME Group Client Systems Wiki](#))
- **Public ID** - Unique [4-digit ID](#) which the public recognizes the firm as.
- **Credit Parent Institution**
- **Venue:**
 - EBS Globex
 - EBS Direct: If the GFID is a **Tri-Party Participant** and trades EBS Direct (only) through a Tri-party agreement with a bank, the bank is responsible for the settlement of deals traded by the GFID.

b. **Globex User Signature:** Enter three alphanumeric characters that are unique within the GFID.

i **Note:** This field will not be available for requests that require credit parent administrator [review](#); GFIDs associated with *Prime Customer*, *Prime of Prime Broker* or *Prime -of -Prime Customer*. After submitting, contact the credit parent to review and approve.

- c. **Effective Date:** After approval (if applicable, e.g. Prime-of-Prime Customer) the GUS will available on the specified date (default is today).
- d. **EBS Workstation:** Specify if the person / algo operator requires EBS Workstation access, then enter contact information associated with the GUS:
 - **Yes:** Select a **Workstation Role**: *View Only* or *Trader*
(Optional) Enter a **Self Match Prevention (SMP) ID**, which allows market participants to prevent the matching of orders for accounts with common ownership, within and across different Globex Firm IDs and clearing firms.

i See also: [CME Globex Self- Match Prevention Functionality - Frequently Asked Questions](#)

EBS WORKSTATION

| | |
|-------------------------------|-------------------|
| Workstation Access | Workstation Roles |
| Yes | Select... |
| Workstation Roles is required | |

SELF-MATCHING PREVENTION(SMP) DETAILS

| | |
|-----------|----------|
| SMP ID | Optional |
| Select... | |

- **No:** Provide **Contact Information** for an individual associated with the GUS.

e. **Contact**

- **CME Group Login ID:** As you enter, suggested matches appear in a list.
To associate an ID with the entity for the first time, select **Add a new CME Group Login ID**, then enter the ID and [authentication token](#), which the user previously provided to you or an admin user.

You need to associate a contact with this EBS Globex User Signature (GUS), please choose a contact type below to add one.

| | |
|--------------------------------|--------------------|
| Contact Type | CME Group Login ID |
| CME Group Login ID a | |
| CME Group Login ID a | Token 1 |
| Token is required | |
| Confirm CME Group Login | |

After Confirming the CME Group Login ID, the registered user's name and email address appears below.

CME Group Login Or Email Address 

X 

First Name

Last Name

Email Address

*****: If the GUS requires approval from a prime bank:

Prior to creating the GUS the email address [including email domain(s)] must be associated with the registered entity and prime bank. The prime bank parent administrator must [review / approve](#) GUS creation / edit requests.

Registration is established via the [CME Customer Center Self-Service Form](#), available from [Global Account Management](#).

- **Email address:** Use the Search button to confirm the email address is registered with the user's CME Group Login.

You need to associate a contact with this EBS Globex User Signature (GUS), please choose a contact type below to add one.

Contact Type

Email Address

X 

Search Email Address

- **Contact information:** Enter contact information and Address details, then select **Save Changes**.

You need to associate a contact with this EBS Globex User Signature (GUS), please choose a contact type below to add one.

Contact Type

Enter contact manually

| | | | |
|----------------------|----------------------|----------|----------------------|
| First Name | Middle Name | Optional | Last Name |
| <input type="text"/> | <input type="text"/> | | <input type="text"/> |

Email Address *

| | | | |
|----------------------|----------|--------------------------------------------|----------|
| Phone Number | Optional | Phone Type | Optional |
| <input type="text"/> | | <input type="button" value="Select... ▾"/> | |

⊕ Phone Number

ADDRESS

Country

Address Line 1

Address Line 2 Optional

Town/City Region/State Optional Postcode Optional

2. Select **Next**, proceed to **Step 2: Order Entry Products and Short Code**; appears when a MiFID regulated product is enabled.

Step 1: GUS Information Step 2: Order Entry Products Step 3: Market Data Products Step 4: Confirm

Order Entry Products

a. ON SEF/ON MTF NDFs (26 of 26)
 Spot FX (123 of 123)
 Spot Precious Metals (15 of 15)
 eFix Matching (117 of 117)
 OFF SEF/ON MTF NDFs (24 of 24)

b. Short Code ?

c. FX Spot+

Back Cancel Next

- Select order entry products to enable.

Expand to view individual products and/or enter maximum permitted order size.

- Select () / Deselect () All / Individual products.
- Expand () / Collapse (): View and assign individual products within a group.

- Short Code:** Required when MiFID regulated products are enabled (e.g. On SEF/ On MTF NDFs, Off SEF/On MTF NDFs).

The short code identifies the person or ATS operator responsible as the financial / executing decision maker, on each order and associates a GUS with Personally Identifiable Information (PII) which is required for regulatory purposes.

Short Codes are mapped to the person's national ID and must be unique within the GFID. Each GFID can be associated with multiple GUS, and each GUS will have a unique associated short code.

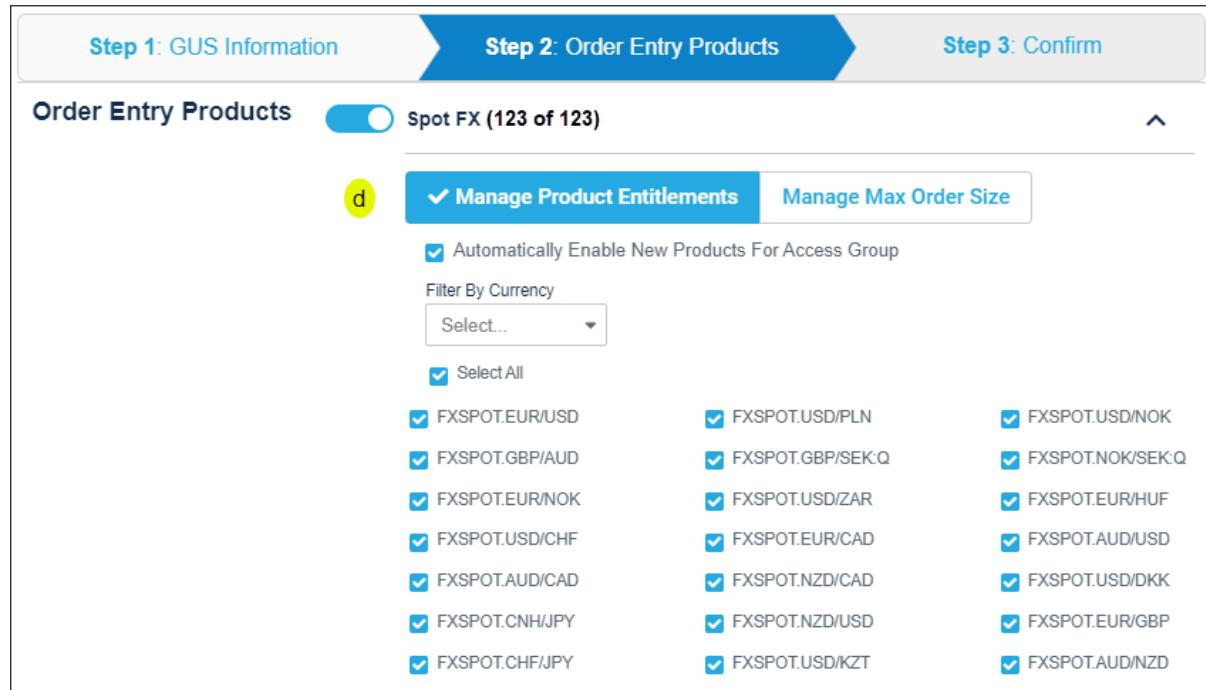
Only one individual / natural person short code may be associated with a given Operator ID and GUS; additional person short codes may be registered using a separate GUS for each. One or more short codes may be associated with an Operator ID which represents an individual overseeing the administration and operation of an ATS.

- A *natural person GUS* with access to the order book may only be used by the identified person and may not be used by any other natural person entity user and may not be used for orders entered by an ATS. It is used on order messages in lieu of a personal identifier.
- For *algorithmic systems*, register one or more short codes for a GFID and GUS. The short code must meet the following conditions:
 - unique for each set of code or trading strategy that constitutes the algorithm.
 - used consistently when referring to the algorithm or version of the algorithm once assigned.
 - unique over time.

Note: As part of the product entitlement process for a GUS / Trader to be allowed to trade MiFID regulated products, Participants must submit PII information. Failure to submit PII data will result in the GUS / Trader not being

- i allowed to trade. For details see the following:
- [PII Data Submission User Guide](#)
 - [Personally Identifiable Information \(PII\) instructions](#)

- c. **FX Spot+:** To enable FX Spot+ products, select the checkbox.
- d. **Manage Product Entitlements:** Select / deselect products; use the filter to view products for a particular currency / metal.



Step 1: GUS Information **Step 2: Order Entry Products** **Step 3: Confirm**

Order Entry Products **Spot FX (123 of 123)**

d **Manage Product Entitlements** **Manage Max Order Size**

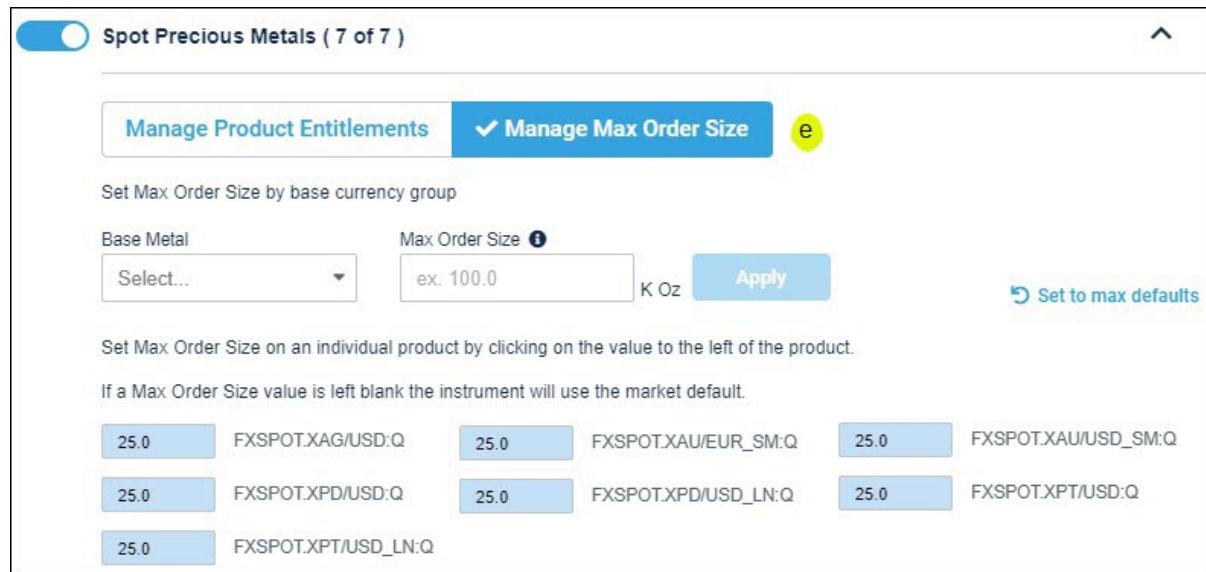
Automatically Enable New Products For Access Group

Filter By Currency

Select All

| | | |
|----------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| <input checked="" type="checkbox"/> FXSPOT.EUR/USD | <input checked="" type="checkbox"/> FXSPOT.USD/PLN | <input checked="" type="checkbox"/> FXSPOT.USD/NOK |
| <input checked="" type="checkbox"/> FXSPOT.GBP/AUD | <input checked="" type="checkbox"/> FXSPOT.GBP/SEK:Q | <input checked="" type="checkbox"/> FXSPOT.NOK/SEK:Q |
| <input checked="" type="checkbox"/> FXSPOT.EUR/NOK | <input checked="" type="checkbox"/> FXSPOT.USD/ZAR | <input checked="" type="checkbox"/> FXSPOT.EUR/HUF |
| <input checked="" type="checkbox"/> FXSPOT.USD/CHF | <input checked="" type="checkbox"/> FXSPOT.EUR/CAD | <input checked="" type="checkbox"/> FXSPOT.AUD/USD |
| <input checked="" type="checkbox"/> FXSPOT.AUD/CAD | <input checked="" type="checkbox"/> FXSPOT.NZD/CAD | <input checked="" type="checkbox"/> FXSPOT.USD/DKK |
| <input checked="" type="checkbox"/> FXSPOT.CNH/JPY | <input checked="" type="checkbox"/> FXSPOT.NZD/USD | <input checked="" type="checkbox"/> FXSPOT.EUR/GBP |
| <input checked="" type="checkbox"/> FXSPOT.CHF/JPY | <input checked="" type="checkbox"/> FXSPOT.USD/KZT | <input checked="" type="checkbox"/> FXSPOT.AUD/NZD |

- e. **Manage Max Order Size:** Enter a value, then select **Apply**.



Spot Precious Metals (7 of 7)

e **Manage Product Entitlements** **Manage Max Order Size**

Set Max Order Size by base currency group

| | | | | | |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------|------|---------------------|
| Base Metal <input type="button" value="Select..."/> | Max Order Size <small>i</small> <input type="text" value="ex. 100.0"/> K Oz <input type="button" value="Apply"/> | <input type="button" value="Set to max defaults"/> | | | |
| 25.0 | FXSPOT.XAG/USD:Q | 25.0 | FXSPOT.XAU/EUR_SM:Q | 25.0 | FXSPOT.XAU/USD_SM:Q |
| 25.0 | FXSPOT.XPD/USD:Q | 25.0 | FXSPOT.XPD/USD_LN:Q | 25.0 | FXSPOT.XPT/USD:Q |
| 25.0 | FXSPOT.XPT/USD_LN:Q | | | | |

Max Order Size is specified in currency or weight:

- **Currency:** Currency: by millions of the selected currency (e.g. Currency 25 = maximum order size of 25 million GBP).
- **Spot Precious Metals:** by thousand ounce units (e.g. Ounces 20 = maximum order size of 20 thousand ounces of gold).

To enter a max order size for multiple products, select the Base Metal / Currency, then enter a value and select **Apply**.

3. Select **Next**, then proceed to Step 3: Market Data Products (if applicable).

Selections are automatically selected based on [order entry products](#) from the previous page.

Market data products can be selected / removed, as necessary.

Step 1: GUS Information
Step 2: Order Entry Products
Step 3: Market Data Products
Step 4: Confirm

Credit Screened

Please note the Market Data publication for eFix Matching and/or Midbooks only includes Security Definition and Market Status Update messages.

ON SEF/ON MTF NDFs (26 of 26) ▼

Spot FX (123 of 123) ▼

Spot Precious Metals (15 of 15) ▼

eFix Matching (117 of 117) ▼

OFF SEF/ON MTF NDFs (24 of 24) ▼

Unscreened

FXNDF.USD/VND.1M

Spectrum Spot

FX Spot+

[Back](#)
[Cancel](#)
[Next](#)

4. Review GUS details, then **Confirm and Submit** to finalize.

[My Requests](#) [BrokerTec Requests](#) [EBS Requests](#) [?](#)

EBS Globex User Signature (GUS)

Create Globex User Signature

GFID: BLF3
Institution: 00316
AG: ESS TEST AG EMINI 002
Participant Type: Bilateral
Public ID: BLF3
Venue: EBS Globex
GUS: TES

Step 1: GUS Information Step 2: Order Entry Products Step 3: Confirm

Please review the details below to ensure the information is accurate before submitting.

Globex User Signature Information

[Edit](#)

ASSOCIATED GLOBEX FIRM ID
GFID: B3F3

Institution Group: 00333

Administration Group: TEST AG 002

Participant Type: BILATERAL

Public ID: B3F3

Venue: EBS Globex

CONTACT DETAILS
Tom Trader
ttrader@test.com
TTraderbest

GLOBEX USER SIGNATURE (GUS) DETAILS

GUS: TES

EBS Workstation Access: No

Effective Date: October 26, 2021

Order Entry Products Information

[Edit](#)

| ORDER ENTRY ACCESS GROUPS | Short Code |
|--------------------------------|------------|
| Spot FX(123 of 123) | 123456 |
| OFF SEF/ON MTF NDFs(24 of 24) | |
| ON SEF/ON MTF NDFs(26 of 26) | |
| Spot Precious Metals(15 of 15) | |
| eFix Matching(117 of 117) | |
| FX Spot+ | |

[Back](#)

[Cancel](#)

Confirm and Submit

Requests for which the GFID is the credit parent or bilateral firm are available for immediate use.

Requests GFIDs that are *Prime Customer*, *Prime-of-Prime Broker* or *Prime-of-Prime Customer* require credit parent administrator review.

Confirmation and Notification

After **Submitting**: A screen *notification* appears and an email is sent to the admin user.

✓ The request to create Globex User Signature "TES" has been submitted. Check your request status under the [My Requests \(ESS\)](#) tab. ✖

Request details are viewable on the [My Requests \(ESS\)](#) tab. If approval is required, contact the credit parent administrator to review the submitted request.

Editing GUS Information

The following instructions illustrate the process to Edit Information for an existing Globex User Signature (GUS) and the associated [Globex Firm ID \(GFID\)](#).

► **To edit EBS Globex User Signature Information:**

1. From the Request Center (ESS) menu, select **EBS Requests > Globex User Signatures**.

2. From the **Actions** column, select the **Edit** icon (>Edit).

EBS Globex User Signature (GUS)

The Globex User Signature (GUS) is an identifier assigned to a particular participant on CME Globex. Establish and/or maintain GUS information.

LEI: ABCDEFGHIJKL01234567 Legal Name: FIRM LLC AG(CID): FIRM LLC(CID00000)

| GUS | | | | | | | | | | | |
|-----|----------------|------------|-----------------|-------------|--------|-----------|------------------|------------|----------------|--------|---------|
| GUS | GFID/Public ID | Name | CME Group Login | Customer Id | EBS WS | EBS Role | Participant Type | Venue | Effective Date | Status | Actions |
| A12 | SUW7 | Tom Tester | tom@firm.com | CID00000 | Yes | View Only | Prime Customer | EBS Globex | 12/05/2024 | Active | |
| B34 | 72323 | Test User | test@firm.com | CID00000 | Yes | Trader | Bilateral | EBS Direct | 01/20/2025 | Active | |

3. **Step 1: GUS Information:**

EBS Globex User Signature (GUS)

[Edit Globex User Signature](#)

Step 1: GUS Information Step 2: Order Entry Products Step 3: Market Data Products Step 4: Confirm

Globex User Signature Information

| | | |
|------------------------------------------------|-----------------------------------------|----------------------------------------|
| Associated Globex Firm ID <small>?</small> | Institution Group | Administration Group (AG) |
| <input type="text"/> | TEST | TEST <input type="text"/> |
| Participant Type | Public ID | |
| <input type="text"/> Bilateral | <input type="text"/> | |
| Venue | | |
| <input checked="" type="checkbox"/> EBS Globex | <input type="checkbox"/> EBS Direct | |
| <hr/> | | |
| Globex User Signature <small>?</small> | | |
| <input type="text"/> | | |
| Effective Date <small>?</small> | | |
| <input type="text"/> 11/04/2021 | <input type="button" value="Calendar"/> | |
| <hr/> | | |
| EBS WORKSTATION | | |
| Workstation Access | Workstation Roles | |
| <input type="text"/> Yes | <input type="text"/> Trader | <input type="button" value="X"/> |
| <hr/> | | |
| SELF-MATCHING PREVENTION(SMP) DETAILS | | |
| SMP ID | Optional | |
| <input type="text"/> Select... | <input type="button" value="▼"/> | |
| <hr/> | | |
| CME Group Login ID <small>?</small> | | |
| <input type="text"/> TTRADERBEST - Tom Trader | <input type="button" value="X"/> | <input type="button" value="Confirm"/> |

- **EBS Workstation:** Request EBS Workstation access for the person / algo operator and a role (view-only / trader).
- **Self-Match Prevention:** (Optional) Select a SMP ID to prevent matching orders for accounts with a common beneficial owner, within and across different Globex Firm IDs and clearing firms.
- **CME Group Login / Email / Contact Information:** Review and update contact information for the individual.

4. Step 2: Order Entry Products:

Review and update available products and max order size for this user.

Step 1: GUS Information Step 2: Order Entry Products Step 3: Market Data Products Step 4: Confirm

Order Entry Products

FX Spot+

Back **Cancel** **Next**

a ON SEF/ON MTF NDFs (26 of 26)
 Spot FX (123 of 123)
 Spot Precious Metals (15 of 15)
 eFix Matching (117 of 117)
 OFF SEF/ON MTF NDFs (24 of 24)

b

c FX Spot+

My Requests BrokerTec Requests **EBS Requests** **?**

EBS Globex User Signature (GUS)

Create Globex User Signature

GFID: ⓘ
Institution: 00
AG: TEST
Participant Type: Bilateral
Public ID: ⓘ
Venue: EBS Globex
GUS: ⓘ

Step 1: GUS Information Step 2: Order Entry Products Step 3: Confirm

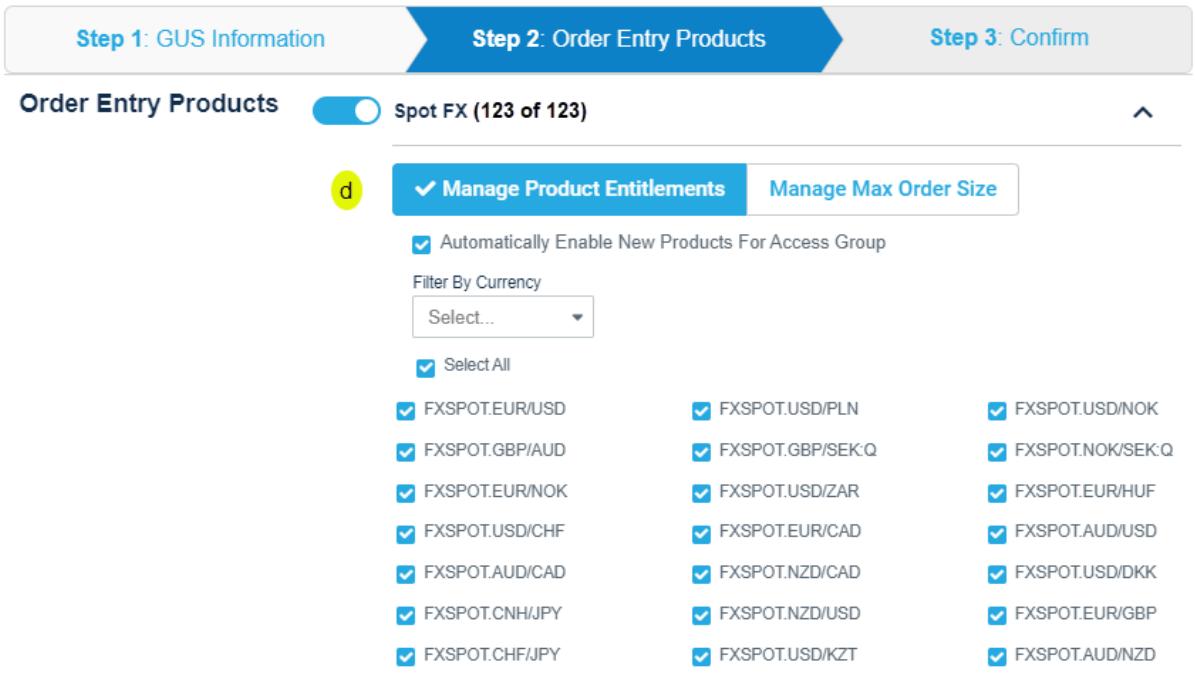
Order Entry Products

Back **Cancel** **Next**

Spot FX (126 of 126)
 OFF SEF/OFF MTF NDFs (30 of 30)
 ON SEF/ON MTF NDFs (24 of 24)
 Spot Precious Metals (15 of 15)
 eFix Matching (117 of 117)
 EBS-CERTIFICATION (1142 of 1142)

- **Select products:** Select () / Deselect () all products within the group.
- To enable individual products after deselecting a group, expand the product group, then select individual checkboxes.

- **Manage Product Entitlements:** Select / deselect products.
- **Filter:** View / select products for a particular currency/ product type.



Step 1: GUS Information Step 2: Order Entry Products Step 3: Confirm

Order Entry Products Spot FX (123 of 123)

d **Manage Product Entitlements** **Manage Max Order Size**

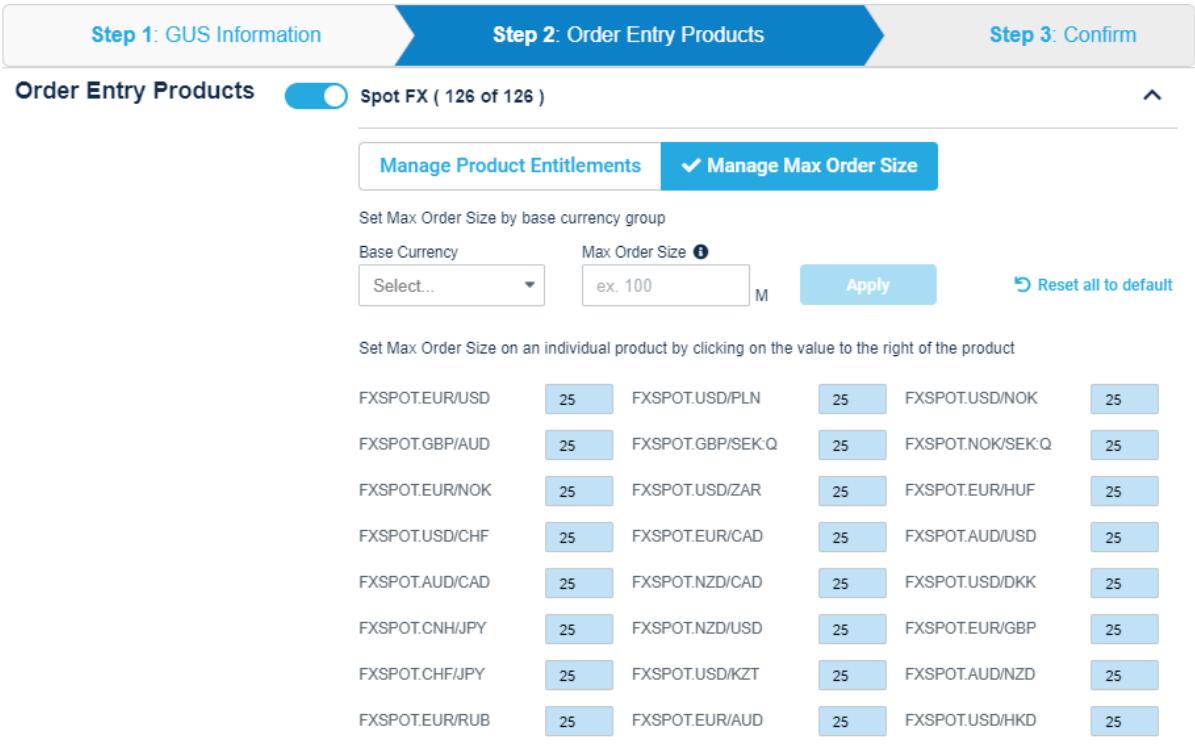
Automatically Enable New Products For Access Group

Filter By Currency

Select All

| | | |
|----------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| <input checked="" type="checkbox"/> FXSPOT.EUR/USD | <input checked="" type="checkbox"/> FXSPOT.USD/PLN | <input checked="" type="checkbox"/> FXSPOT.USD/NOK |
| <input checked="" type="checkbox"/> FXSPOT.GBP/AUD | <input checked="" type="checkbox"/> FXSPOT.GBP/SEK:Q | <input checked="" type="checkbox"/> FXSPOT.NOK/SEK:Q |
| <input checked="" type="checkbox"/> FXSPOT.EUR/NOK | <input checked="" type="checkbox"/> FXSPOT.USD/ZAR | <input checked="" type="checkbox"/> FXSPOT.EUR/HUF |
| <input checked="" type="checkbox"/> FXSPOT.USD/CHF | <input checked="" type="checkbox"/> FXSPOT.EUR/CAD | <input checked="" type="checkbox"/> FXSPOT.AUD/USD |
| <input checked="" type="checkbox"/> FXSPOT.AUD/CAD | <input checked="" type="checkbox"/> FXSPOT.NZD/CAD | <input checked="" type="checkbox"/> FXSPOT.USD/DKK |
| <input checked="" type="checkbox"/> FXSPOT.CNH/JPY | <input checked="" type="checkbox"/> FXSPOT.NZD/USD | <input checked="" type="checkbox"/> FXSPOT.EUR/GBP |
| <input checked="" type="checkbox"/> FXSPOT.CHF/JPY | <input checked="" type="checkbox"/> FXSPOT.USD/KZT | <input checked="" type="checkbox"/> FXSPOT.AUD/NZD |

- **Manage Max Order Size:** Max Order Size is specified in currency or product unit / quantity.
 - **Currency:** In millions of the selected currency (Example: Currency 25 = maximum order size of 25 million GBP).
 - **Weight:** Example: Spot Precious Metals - thousand ounce units (e.g. XAU - 20 Ounces = maximum order size of 20 thousand ounces of gold).



Step 1: GUS Information Step 2: Order Entry Products Step 3: Confirm

Order Entry Products Spot FX (126 of 126)

Manage Product Entitlements **Manage Max Order Size**

Set Max Order Size by base currency group

Base Currency Max Order Size M

Set Max Order Size on an individual product by clicking on the value to the right of the product

| | | | | | |
|----------------|----|------------------|----|------------------|----|
| FXSPOT.EUR/USD | 25 | FXSPOT.USD/PLN | 25 | FXSPOT.USD/NOK | 25 |
| FXSPOT.GBP/AUD | 25 | FXSPOT.GBP/SEK:Q | 25 | FXSPOT.NOK/SEK:Q | 25 |
| FXSPOT.EUR/NOK | 25 | FXSPOT.USD/ZAR | 25 | FXSPOT.EUR/HUF | 25 |
| FXSPOT.USD/CHF | 25 | FXSPOT.EUR/CAD | 25 | FXSPOT.AUD/USD | 25 |
| FXSPOT.AUD/CAD | 25 | FXSPOT.NZD/CAD | 25 | FXSPOT.USD/DKK | 25 |
| FXSPOT.CNH/JPY | 25 | FXSPOT.NZD/USD | 25 | FXSPOT.EUR/GBP | 25 |
| FXSPOT.CHF/JPY | 25 | FXSPOT.USD/KZT | 25 | FXSPOT.AUD/NZD | 25 |
| FXSPOT.EUR/RUB | 25 | FXSPOT.EUR/AUD | 25 | FXSPOT.USD/HKD | 25 |

- **Short Code:** Appears when a MiFID regulated product is selected and identifies the individual responsible for trading decisions.

My Requests BrokerTec Requests EBS Requests ?

EBS Globex User Signature (GUS)

Create Globex User Signature

GFID: [redacted]
Institution: 00
AG: TEST
Participant Type: Bilateral
Public ID: [redacted]
Venue: EBS Globex
GUS: [redacted]

Step 1: GUS Information Step 2: Order Entry Products Step 3: Confirm

Order Entry Products

- Spot FX (126 of 126)
- OFF SEF/OFF MTF NDFs (30 of 30)
- ON SEF/ON MTF NDFs (24 of 24)
- Spot Precious Metals (15 of 15)
- eFix Matching (117 of 117)
- EBS-CERTIFICATION (1142 of 1142)

Short Code i

Back Cancel Next

5. Step 3: Market Data Products:

Automatically selected based on Order Entry Products; update as necessary.

Step 1: GUS Information Step 2: Order Entry Products Step 3: Confirm

Order Entry Products Spot FX (126 of 126)

Set Max Order Size by base currency group

Base Currency Max Order Size M

Set Max Order Size on an individual product by clicking on the value to the right of the product

| | | | | | |
|----------------|----|------------------|----|------------------|----|
| FXSPOT.EUR/USD | 25 | FXSPOT.USD/PLN | 25 | FXSPOT.USD/NOK | 25 |
| FXSPOT.GBP/AUD | 25 | FXSPOT.GBP/SEK:Q | 25 | FXSPOT.NOK/SEK:Q | 25 |
| FXSPOT.EUR/NOK | 25 | FXSPOT.USD/ZAR | 25 | FXSPOT.EUR/HUF | 25 |
| FXSPOT.USD/CHF | 25 | FXSPOT.EUR/CAD | 25 | FXSPOT.AUD/USD | 25 |
| FXSPOT.AUD/CAD | 25 | FXSPOT.NZD/CAD | 25 | FXSPOT.USD/DKK | 25 |
| FXSPOT.CNH/JPY | 25 | FXSPOT.NZD/USD | 25 | FXSPOT.EUR/GBP | 25 |
| FXSPOT.CHF/JPY | 25 | FXSPOT.USD/KZT | 25 | FXSPOT.AUD/NZD | 25 |
| FXSPOT.EUR/RUB | 25 | FXSPOT.EUR/AUD | 25 | FXSPOT.USD/HKD | 25 |

6. Select **Next**, review, then **Confirm and Submit**.

Editing associated EBS Globex Firm ID Information

The following instructions illustrate the process to edit details for a GFID that is associated with a GUS:

- Entity information
- Venue
- Order entry / Market data products.

EBS Globex Firm IDs (GFID)

Manage Globex Identifiers (GFID/Firm Signature) for administration, product permissioning, and risk control activities.

Include Expired

| GFID/Public ID | GFID Name | AG | Organization | Credit Parent Public ID | Participant Type | Venue | Effective Date | Status | Actions |
|----------------|-------------|-------------|--------------|-------------------------|------------------|------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| BLF3 | CREDIT TEST | TEST AG 002 | E-MINI | | Bilateral | EBS Globex | 07/21/2021 | Active   |  |
| BLF4 | CREDIT TEST | TEST AG 002 | E-MINI | | Bilateral | EBS Globex | 07/22/2021 | Active   | |

For each step, a list of editable fields is described.

► To edit an EBS Globex Firm ID:

- From the Request Center (ESS) menu, select **EBS Requests > Globex Firm IDs**.

My Requests BrokerTec Requests **EBS Requests**

- Globex Firm IDs
- Globex User Signatures
- Algorithmic Trading
- Drop Copy Groups
- Order Entry Sessions
- Market Data Sessions

2. From the *Actions* column, select the **Edit** icon (edit icon).

The following information can be updated:

Step 1: GFID Information

Step 1: GFID Information **Step 2: Venue Information** **Step 3: Order Entry Products** **Step 4: Confirm**

Globex Firm ID Information

| | | | |
|---------------------------|--------------------------------------|-----------------------|----------|
| Administration Group (AG) | Participant Type | | |
| ESS TEST AG 002... | BILATERAL | | |
| Public ID | SWIFT - BIC Code | | |
| B333 | SWB3XX | | |
| Globex Firm ID | Globex Firm ID Name <small>?</small> | | |
| B333 | CREDIT TEST | | |
| Effective Date | 11/02/2021 | | |
| Operating City | Operating Country | Operating Postal Code | Optional |
| | Select... | | |

Cancel **Next**

- Globex Firm ID Name:** The Globex market participant name must be unique at the entity.
- Effective Date:** GFIDs are available for order entry on the specified date.
- Operating City / Country / Postal Code**

Step 2: Venue Information

- Venue:** EBS Globex / EBS Direct

Venue Information

Venue

EBS Globex EBS Direct

EBS Direct Connection Region

London New York Tokyo

Liquidity Information

Liquidity Provider Liquidity Consumer

If EBS Direct is selected, specify information for additional fields:

- **Direct Connection Region:** Select the direct connection to CME Group: LN-London, TY-Tokyo, NY-New York
- **Liquidity Information:** Liquidity Provider / Consumer

Step 3: Order Entry Products

EBS Globex Firm IDs(GFID)

Edit Globex Firm ID

Organization: E-MINI
AG: ESS TEST AG EMINI 002
GFID Public ID: BLF4
SWIFT-BIC Code: SWBLF4XX
GFID Name: BLF4 CREDIT TEST

Step 1: GFID Information Step 2: Venue Information Step 3: Order Entry Products Step 4: Market Data Products Step 5: Confirm

Order Entry Products

OFF SEF/OFF MTF NDFs (21 of 21)
 ON SEF/ON MTF NDFs (24 of 24)
 eFix Matching (117 of 117)
 Spot FX (57 of 57)
 Spot Precious Metals (8 of 8)

[Back](#) [Cancel](#) [Next](#)

- **Product Entitlements:** Select / deselect products or use the filter to view products for a particular currency/ metal.
- **Max Order Size:** Enter max order size by currency or weight.

Step 4: Market Data Products

Select / deselect market data products.

EBS Globex Firm IDs(GFID)

Edit Globex Firm ID

Organization: E-MINI
AG: ESS TEST AG EMINI 002
GFID Public ID: BLF4
SWIFT-BIC Code: SWBLF4XX
GFID Name: BLF4 CREDIT TEST

Step 1: GFID Information Step 2: Venue Information Step 3: Order Entry Products Step 4: Market Data Products Step 5: Confirm

Credit Screened

Please note the Market Data publication for eFix Matching and/or Midbooks only includes Security Definition and Market Status Update messages.

OFF SEF/OFF MTF NDFs (21 of 21)
 ON SEF/ON MTF NDFs (24 of 24)
 eFix Matching (117 of 117)
 Spot FX (55 of 55)
 Spot Precious Metals (8 of 8)

Unscreened

FXNDF.USD/V ND.1M

Spectrum

Spectrum Spot

[Back](#) [Cancel](#) [Next](#)

3. After updating and reviewing GFID details, select **Confirm and Submit** to save.

Expiring an EBS Globex User Signature

EBS Globex User Signature includes a function to expire previously registered identifiers that are no longer needed / not-used.

► **To expire an EBS GUS:**

- From the *EBS Requests > Globex User Signature* page, select the **Expire** (trash) icon (in the *Actions* column).

EBS Globex User Signature (GUS)

The Globex User Signature (GUS) is an identifier assigned to a particular participant on CME Globex. Establish and/or maintain GUS information.

My GUS Prime GUS Pending Prime Requests

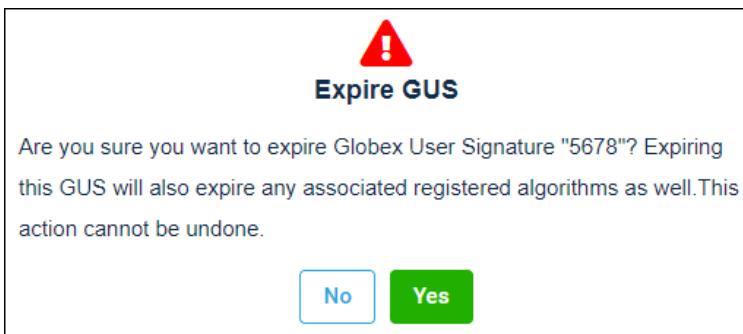
Include Expired Refresh Export Create Globex User Signature

LEI: ABCDEFGHIJKL01234567 Legal Name: FIRM LLC AG(CID): FIRM LLC(CID00000)

| GUS | | | | | | | | | | | |
|-----|----------------|------------|-----------------|-------------|--------|-----------|------------------|------------|----------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GUS | GFID/Public ID | Name | CME Group Login | Customer Id | EBS WS | EBS Role | Participant Type | Venue | Effective Date | Status | Actions |
| A12 | SUW7 | Tom Tester | tom@firm.com | CID00000 | Yes | View Only | Prime Customer | EBS Globex | 12/05/2024 | Active |    |
| B34 | 72323 | Test User | test@firm.com | CID00000 | Yes | Trader | Bilateral | EBS Direct | 01/20/2025 | Active |    |



- On the dialog that appears, confirm the expiration request.



The selected GUS and associated trading systems will be expired.

Note: To view Algorithmic trading systems associated with the GUS (before expiring), search the Algorithmic Trading function for the GUS, then expand the Algorithm Name field.

EBS Algorithmic Trading (Algo's)

Include Inactive Refresh Export Assign Algo(s) to Owner

| GFID | GUS | Algo Owner | Legal Entity | Market | Algorithm Name | Short Code | Certification Date | Status | Actions |
|------|-------|------------------|--------------|--------|----------------------------------------------------------------------------------------------------|--------------|--------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1234 | ABCDE | Sally Spottrader | TradeCo | EBS |  1 Algorithm(s) | spotssystem1 | 887766 | 05/18/2023 | Active    |

- If necessary, assign a new GUS for the associated GFID.

Note: To view the expired GUS, select Include Expired, from the filter above the GUS list.

Cloning an existing Globex User Signature:

The following instructions illustrate the process to clone an existing Globex User Signature (GUS) as the basis to create a new GUS. This process reuses entity and configuration information and reduces the effort to create a new GUS.

 **Example:** A new user joins a team that manages EBS trades for a given GFID.

► **To Clone an EBS GUS:**

1. From the Globex User Signature page, select the **clone** (copy) icon (in the Actions column) for an existing GUS to copy.

Use the above fields for additional details on specifying GUS details.

- Step 1: [GUS Information](#)

Some **details** *GFID, Institution Group, Administration Group, Participant Type, Public ID, Venue* from the existing GUS are copied as the basis for the clone.

Globex User Signature: Specify a new and unique Globex User Signature name.

- [Credit Parent](#)
- [Administration Group & Public ID](#)

EBS Workstation access

(optional) **Self-Match Prevention**

Contact Information: Select and Confirm contact details for the person responsible for the new GUS:

- **CME Group Login ID:** Select existing or [Add a new CME Group Login ID](#)

Note: To complete setup, the administrative user cloning a GUS must obtain the person's [CME Group Login ID](#) and [Token](#).
CME Group or the admin user will never ask for the associated password.

- **Email address**, previously registered with CME Group.
- **Contact information**, including address details.

2. Select **Next**, then review *Step 2: Order Entry Products*, and the **Short Code** (an identifier of the individual responsible for trading decisions, required for certain products).

Products can be deselected as needed.

3. Select **Next**, then review *Step 3: Market Data Products*.

Automatically selected based on associated Order Entry Products.

If EBS Workstation - view-only access is selected this is not available.

4. Select **Next**, review, then [Confirm and Submit](#).

Algorithmic Trading - EBS

Use the EBS Algorithmic Trading function to *view* trading systems used by the GFID and GUS and submit an Algorithmic Trading Certification Form to certify conformance with technical system requirements.

Note: Pursuant to rule 5.24 of the [EBS UK MTF Rulebook](#), Algorithmic trading participants shall certify in advance of deployment that the algorithms they deploy have been tested to avoid contributing to or creating disorderly trading conditions prior to the deployment or substantial update of a trading algorithm or strategy and explain the means used for that testing.

Prior to assigning Algorithmic Trading systems, ensure the [GFID](#) and [Globex User Signature \(GUS\)](#) is created.

To enable access to Algorithmic Trading functions, authorized Front Office Admin Managers must use the User Administration function to authorize users to **view** and/or **manage** this function via the user role: [Request Center - ALGO Read-Only / Full](#).

The following functions are available:

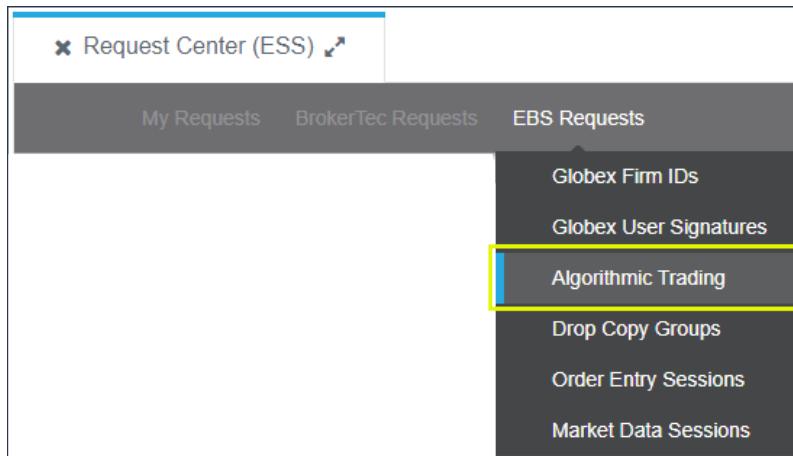
- [Access Algorithmic Trading function](#)
- [Assign Algo to GFID Owner](#): Associate an Algorithmic trading system with a GFID and GUS.
 - [Attach certification documents / Enter information](#)
 - [Annual Algorithmic System Certification](#)
 - [Update Algorithmic Trading System Owner Information](#)

► **To access Algorithmic Trading:**

1. From the CME Customer Center Menu, select **Administration > Request Center (ESS)**.



2. Select **EBS Requests > Algorithmic Trading**.



On the screen that appears, a list of associated Algorithmic Trading systems appears with an option to [Assign](#) an Algo trading system to a GFID/GUS.

EBS Algorithmic Trading (Algo's)

Include Inactive

Refresh Export Assign Algo(s) to Owner

| GFID ▲ | GUS ▲ | Algo Owner ▲ | Legal Entity ▲ | Market ▲ | Algorithm Name | Short Code | Certification Date | Status ▲ | Actions |
|--------|-------|--------------|----------------|----------|----------------|------------|--------------------|------------|---------|
| BBB1 | MMM | Trader Best | Test Trading | EBS | 1 Algorithm(s) | TEST | 1 | 05/11/2022 | Active |

Rows per page : 1 of 1

Algorithmic Trading System Actions

- Export () : Opens a screen to download and view previously submitted certification documents.

Certification Document(s)

| Uploaded | File Name | Download |
|-------------------------|---------------------------------------------|----------|
| 05/18/2022 09:27:47 CDT | Annual Certification Form BTEc Template.pdf | |

- Delete () : Remove and expire all registered Algos for the selected Owner
- Edit () : Select the Algo to update:
 - Step 1: Algo Information:** Algorithm Name, Algo Short Code, Certification Date, including an option to add additional.
 - Step 2: Algo Certification Selection:**
 - [Upload Certification PDF](#)
 - [Manually Enter Algo Information](#)

Assigning Algorithmic Trading Systems to Owner (GFID/GUS)

Use the **Assign Algo to Owner** function to associate algorithmic trading systems with a GFID (Firm) / GUS (Owner) and submit an Algorithmic Trading Annual Certification Form, which certifies conformance to CME Group requirements.

Note: When registering / assigning multiple (including new Algos) Algorithmic Trading Systems to an owner, **all certification dates must be identical**.

- When uploading a completed certificate form file, the date in the form is applied to all Algos.
- When manually entering details, the certification date defaults to today. Update previously certified Algos to today's date.

To Assign Algos to Owner:

1. From the EBS Algorithmic Trading page, select **Assign Algo(s) to Owner**, then specify Step 1 **AlgoInformation**.

EBS Algorithmic Trading (Algo's)

You have no Ebs Algorithmic Trading (Algo)s available

[Assign Algo\(s\) to Owner](#)

Algo Owner

- Associated Globex Firm ID
- Globex User Signature: Available selections are based on user entitlements and the associated GFID.

Algo Information

- Algorithm Name:** Only alphanumeric characters (A-Z, 0-9), underscore (_), hyphen (-) permitted.
- Short Code:** Use the shortcode associated with the selected GUS. The shortcode must be unique at the GFID. The short code associates the Algorithmic Trading System with a user's Personally Identifiable Information (PII) and GFID/GUS registered with the BrokerTec Upload Facility,

 See also: [BrokerTec Upload Facility User Guide on cmegroup.com](#) (BrokerTec EU RM section).

- Certification Date:** The certification date defaults to today's date as represented in U.S. Central Time, adjust for your own time zone.

EBS Algorithmic Trading (Algo's)

Assign Algo(s) to Owner

[Step 1: Algo Information](#)

[Step 2: Algo Certification](#)

[Step 3: Confirm](#)

Algo Owner

Associated Globex Firm ID

BBB1 - EBS - TEST TRADING FIRM 

Globex User Signature

MMM 

Algo Information

Algorithm Name

TEST

Algo Short Code

1

Certification Date

05/11/2022



[+Algorithm](#)

[Cancel](#)

[Next](#)

To continue, select **Next**.

- Select to (a) **Upload** the Algo Certification form or (b) **manually enter** information.

The file name of the attachment must have alphanumeric characters (A-Z, 0-9), underscore (_), hyphen (-) only.

A blank certification form and/or the current certification is available to reference required information.

- a. **Upload:** Select to upload or drag the attachment.

Edit Algo(s)

Step 1: Algo Information Step 2: Algo Certification Selection Step 3: Confirm

Algo Certification Selection

Would You Like To Upload A Certification PDF Or Manually Enter Algo Information?

Upload Certification PDF Manually Enter Algo Information

Algo Certification

If any changes are made to the Algorithm entries, it is required that a completed Algo Certification form is uploaded. A button to download a blank form is included for your convenience.

Algo Certification Document Upload

Drop file here or click to choose file

[Blank Certification Form](#) [Current Certification](#)

[Back](#) [Cancel](#) [Next](#)

- b. **Manually Enter:** Specify required information (i, ii, iii below):

- [ATS Team Members](#)
- [Algo testing and procedure declarations](#)
- [Key Contacts](#)

EBS Algorithmic Trading (Algo's)

Edit Algo(s)

Step 1: Algo Information Step 2: Algo Certification Selection Step 3: Confirm

Algo Certification Selection

Would You Like To Upload A Certification PDF Or Manually Enter Algo Information?

Upload Certification PDF Manually Enter Algo Information

- i. **ATS Team Members (required):** Select the Algorithm (System) Name, team information and contact information for at least one team member (indicate primary contact) responsible for algorithm system operation and contact for algo system issues.

ATS Team Members

Select Algo's to be included for Certification PDF creation. If you identified an ATS Team responsible for the operation of the algorithm, list the members of the team and their contact information.

| | | |
|--------------------------|---------------|------------------------------------------|
| Algorithm Name | ATS Team Name | ATS Team Member Name |
| Select Algorithm(s)... | | |
| Telephone Number | Email Address | <input type="checkbox"/> Primary Contact |
| + Member | | |

- ii. **Algo Testing & Procedure Declarations** (required): Describe the testing procedure used to ensure compliance with CME Group [development requirements](#).

| | |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Algo Testing & Procedure Declarations | <p>Please Provide An Explanation Of The Means Used For Testing. If This Information Has Already Been Provided In A Prior Submission And No Changes Have Been Made To Your Testing Methodology, Please Indicate So Below.</p> <div style="border: 1px solid #ccc; height: 60px; margin-top: 10px;"></div> <p>Please Describe Procedures In Place To Prevent Erroneous Actions By Algorithms Listed In Annex 1, Including An Ability To Cancel Immediately, As An Emergency Measure, Any Or All Of Unexecuted Orders ('Kill Functionality'). If This Information Has Already Been Provided In A Prior Submission And No Changes Have Been Made To Your Testing Methodology, Please Indicate So Below.</p> <div style="border: 1px solid #ccc; height: 60px; margin-top: 10px;"></div> |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- iii. **Key Contacts** (required): Personnel identified as key contacts for an algorithm operations within a firm. If necessary, CME Group will contact these individuals for questions or issues.

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Key contacts Please add personnel who have been identified as key contacts for an algorithm operating within your firm | Compliance Contact Contact Name <input type="text"/> Telephone Number <input type="text"/> Email Address <input type="text"/> | Business Contact Contact Name <input type="text"/> Telephone Number <input type="text"/> Email Address <input type="text"/> | Information Technology / Operations Contact Contact Name <input type="text"/> Telephone Number <input type="text"/> Email Address <input type="text"/> |
| Back | Cancel | Next | |

3. Review Algo Information and certification details, then select **Confirm and Submit**.

EBS Algorithmic Trading (Algo's)

Assign Algo(s) to Owner

Step 1: Algo Information
Step 2: Algo Certification
Step 3: Confirm

Please review the details below to ensure the information is accurate before submitting.

Algo Owner

Edit

ASSOCIATED GLOBEX FIRM ID
BBB1 - TEST TRADING FIRM

Edit

ASSOCIATED GLOBEX USER SIGNATURE (GUS)
MMM - Best, Trader

ALGORITHM INFORMATION
Name: TEST Short Code: 1 Certification Date: 05/11/2022

Algo Certification

ALGO CERTIFICATION DOCUMENT

 TradeCo-algo-cert.pdf

Edit

Back
Cancel
Confirm and Submit

A confirmation banner appears after submission and the request is available from [My Requests](#) to view details and processing status.

✓ The request to assign Algorithm(s) to Algo Owner "Trader Best" has been submitted. Check your request status under the [My Requests](#) tab. ✖

EBS Algorithmic Trading (Algo's)

You have no Ebs Algorithmic Trading (Algo)s available

Assign Algo(s) to Owner

After confirming, the new Algorithmic Trading system appears in the list.

Available information includes the associated GFID, GUS, Algo Owner, Legal Entity and Market and certification document (PDF).

Expand the **Algorithm Name** to view additional details:

- **Algorithm Name:** Up to six alphanumeric characters.
- **Short Code:** The short code is required to trade products and is associated with the GUS.
- **Certification Date**

| EBS Algorithmic Trading (Algo's) | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <input type="checkbox"/> Include Inactive <input type="checkbox"/> Refresh  Export <input type="button" value="Assign Algo(s) to Owner"/> | | | | | | | | | | |
| GFID | GUS | Algo Owner | Legal Entity | Market | Algorithm Name | Short Code | Certification Date | Status | Actions | |
|  |  |  |  | | | | | | | |
| BBB1 | MMM | Trader Best | Test Trading | EBS |  1 Algorithm(s) | | | Active |  |  |
| | | | | TEST | 1 | | 05/11/2022 | | | |
| Rows per page : <input type="button" value="10"/> 1 of 1 | | | | |  |  | Prev | 1 of 1 | Next |  |

Annual Algorithmic System Certification

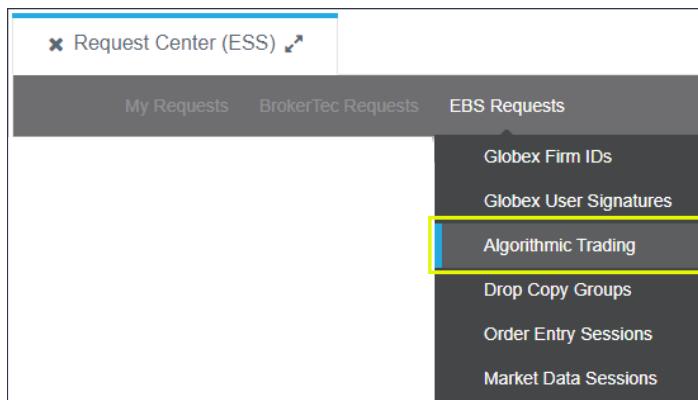
The Markets in Financial Instruments Directive - MiFID II CDR EU 2017/584 (RTS 7) requires that EBS EU customers must review and annually certify algorithmic trading system details.

Users authorized by registered owners must review Algo system information, update the Certification Date and attach a new / updated certification form for all registered Algos. You can also add / delete Algos or [update](#) the Owner if necessary.

 **Note:** To authorize users to Edit Algorithmic Trading system information, an Admin Manager or Application Admin must use the [User Administration function to add Request Center - EBS ALGO Full Access](#) entitlements.



- From the Request Center (ESS) menu, select **EBS Requests - Algorithmic Trading**.



- Expand the *Algorithms* as necessary, then review the list of Algo trading systems.

EBS Algorithmic Trading (Algo's)

Include Inactive

Refresh Export

| GFID | GUS | Algo Owner | Legal Entity | Market | Algorithm Name | Short Code | Certification Date | Status | Actions |
|------|-----|-------------|--------------|--------|----------------|------------|--------------------|--------|---------|
| BBB1 | MMM | Trader Best | Test Trading | EBS | 1 Algorithm(s) | | | Active | |
| | | | | | TEST | 1 | 05/11/2022 | | |

Rows per page : 1 of 1

Note: To assist review, the Algo trading system list can be exported to a .csv file (MS Excel compatible format).

- Select **Edit** () , then update the *Step 1: Algo Owner / Information*:

EBS Algorithmic Trading (Algo's)

Edit Algo(s)

Step 1: Algo Information Step 2: Algo Certification Selection Step 3: Confirm

Algo Owner

Associated Globex Firm ID: ABCDEF - TRADECO FUT...

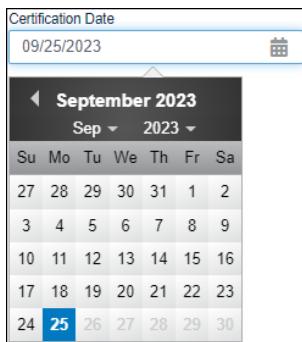
Globex User Signature: USER1

Algo Information

| | | |
|-----------------------|--------------------------|--------------------------------|
| Algorithm Name: ALGO1 | Algo Short Code: 1234567 | Certification Date: 05/18/2022 |
|-----------------------|--------------------------|--------------------------------|

Algorithm

- Certification Date:** Specify the date, select **Next**, then attach an updated certification form.



- **Add Algorithm:** Enter information for additional [Algorithmic trading systems](#) registered to the owner ([GFID](#) / [GUS](#)).

4. For *Step 2: Algo certification selection*, provide required information via upload or by manually entering.

- [Upload](#)

- [Manually enter](#): See instructions ([above](#)):

EBS Algorithmic Trading (Algo's)

Edit Algo(s)

Step 1: Algo Information

Step 2: Algo Certification Selection

Step 3: Confirm

Algo Certification Selection

Would You Like To Upload A Certification PDF Or Manually Enter Algo Information?

Upload Certification PDF

Manually Enter Algo Information

5. Select **Next**, then **Confirm and Submit** to complete.

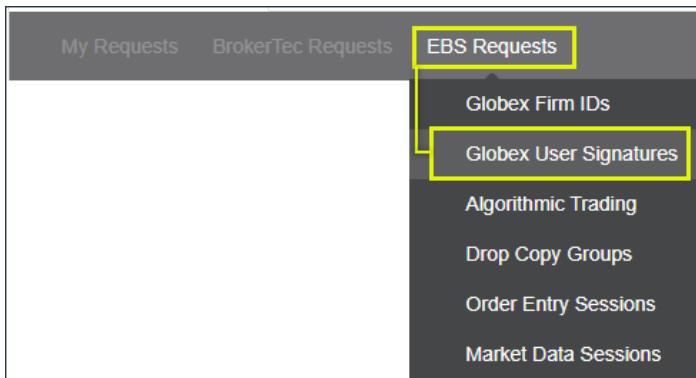
Note: For additional information or assistance with the annual certification process, contact [Global Account Management](#).

Update Algorithmic Trading System Owner Information

The following instructions illustrate the process to use the Globex User Signature function to update the Algo owner or associated products via the [EBS Requests - Globex User Signature](#) function.

► To update the Algo Owner:

1. Find the Algo system to update (e.g. filter the list by entering search criteria in the top row).
2. Review the Algo Name and Short Code, then copy the **GUS** that will be updated.
3. From the **EBS Requests** menu, go to the **Globex User Signature** function.



4. Select the GUS (copied from the Algo function) to update, then select the **Edit** (edit icon) icon (Actions column).

Globex User Signature (GUS)

The Globex User Signature (GUS) is an identifier assigned to a particular participant on CME Globex. Establish and/or maintain GUS information. For US Treasury off the run access/removals, please contact ICAP Securities at (212) 815-9091 or email OperationsUS@us.icap.com

Include Inactive

Refresh

Export

Create Globex User Signature

| GUS | GFID | Name | CME Group Login | AG | Legal Entity | Market | GFE | Effective Date | Status | Actions |
|------|-------|---------------|-----------------|---------|--------------|--------------|-----|----------------|--------|---------|
| GUS1 | 11111 | Sandra Loddon | SAND111 | TEST AG | E-MINI | BrokerTec EU | Yes | 02/08/2021 | Active | |

5. Update GUS details, as necessary:

- [Step 1 - GUS Information](#): Select **Edit** > update GUS Information > **Save Changes**, then select **Next**.

EBS Globex User Signature (GUS)

Edit Globex User Signature

Step 1: GUS Information Step 2: Order Entry Products Step 3: Market Data Products Step 4: Confirm

Globex User Signature Information

| | | |
|------------------------------------------------|-----------------------------------------|----------------------------------------|
| Associated Globex Firm ID <small>?</small> | Institution Group | Administration Group (AG) |
| <input type="text"/> | TEST | TEST <input type="text"/> |
| Participant Type | Public ID | |
| <input type="text"/> Bilateral | <input type="text"/> | |
| Venue | | |
| <input checked="" type="checkbox"/> EBS Globex | <input type="checkbox"/> EBS Direct | |
| Globex User Signature <small>?</small> | | |
| <input type="text"/> | | |
| Effective Date <small>?</small> | | |
| <input type="text"/> 11/04/2021 | <input type="button" value="Calendar"/> | |
| EBS WORKSTATION | | |
| Workstation Access | Workstation Roles | |
| <input type="text"/> Yes | <input type="text"/> Trader | <input type="button" value="X"/> |
| SELF-MATCHING PREVENTION(SMP) DETAILS | | |
| SMP ID | Optional | |
| <input type="text"/> Select... | <input type="button" value="▼"/> | |
| CME Group Login ID <small>?</small> | | |
| <input type="text"/> TTRADERBEST - Tom Trader | <input type="button" value="X"/> | <input type="button" value="Confirm"/> |

- Step 2 - Algo Certification: [Review / Edit Products](#)(including [Market Data Products](#), if applicable), then select **Next**.
6. To save updates, select **Confirm and Submit**.

To view updated Algo information, select the request from the list.

Drop Copy Sessions

Using the **EBS Requests - Drop Copy Sessions** page, authorized users can create sessions that utilize the [Drop Copy](#) service to receive trading activity communications via the [iLink](#) order entry gateway and manage secure key pairs for session authentication security.

To receive trading activity messages for multiple related entities, configure EBS Drop Copy sessions (target sessions) with one or more source [sendercomp](#) sessions.

Users can also generate and manage secure key pairs that are used for authentication during the target session [secure logon](#) process.

The following functions are available on the **EBS Requests - Drop Copy Sessions** page:

- [Creating an EBS Drop Copy Session](#)
- [Checking Drop Copy Session status](#)
- [Editing EBS Drop Copy Session Information](#)

Secure Key Pairs

- [Generating Keys for EBS Drop Copy sessions](#)
- [Downloading Keys for EBS Drop Copy sessions](#)
- [Deleting Keys for EBS Drop Copy sessions](#)

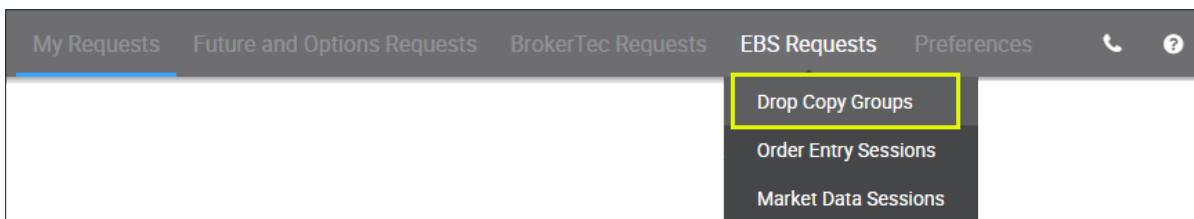
Creating an EBS Drop Copy Session

On the **EBS Requests - Drop Copy Sessions** page, users can create EBS Drop Copy sessions to receive direct trading activity messages.

 **Note:** Before creating Drop Copy sessions, ensure you have created a [Globex Firm ID](#), a [Globex User Signature](#) and at least one [Order Entry](#) session.

[To create an EBS Drop Copy session:](#)

1. From the Request Center (ESS) menu, select **EBS Requests > Drop Copy Groups**.

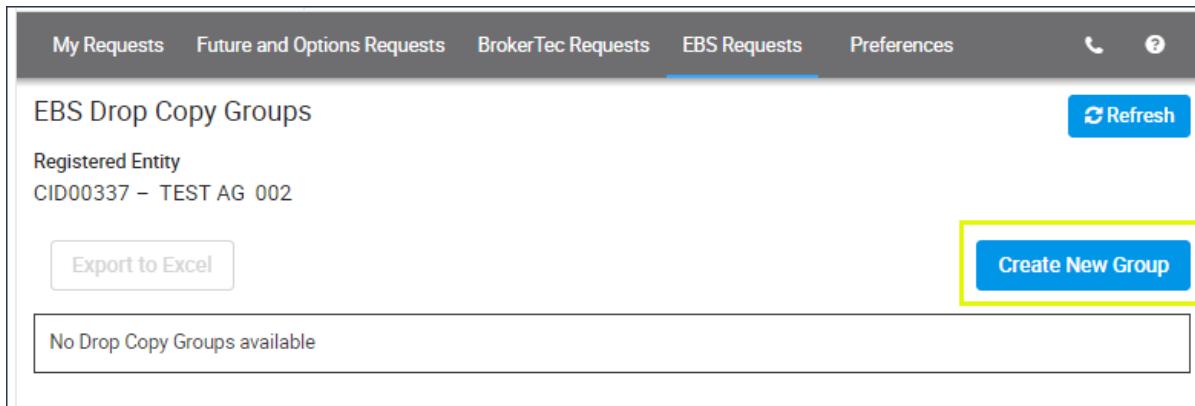


2. Make a selection in the **Registered Entity** drop-down menu, if necessary. As you enter characters in the field matching selections will appear.

This is automatically selected for users with access to one entity.



3. Select **Create New Group**.



My Requests Future and Options Requests BrokerTec Requests EBS Requests Preferences

EBS Drop Copy Groups

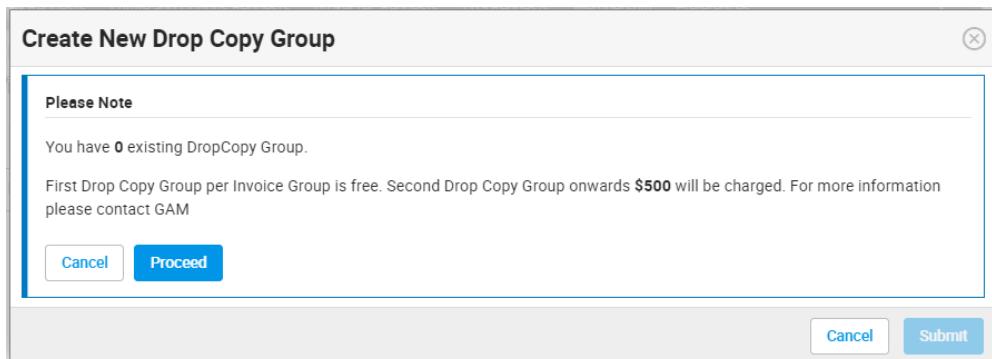
Registered Entity
CID00337 – TEST AG 002

Export to Excel

Create New Group

No Drop Copy Groups available

4. Review and acknowledge the fee notice by selecting **Proceed**.



Create New Drop Copy Group

Please Note

You have 0 existing DropCopy Group.

First Drop Copy Group per Invoice Group is free. Second Drop Copy Group onwards \$500 will be charged. For more information please contact GAM

Cancel **Proceed**

Cancel **Submit**

For questions or issues contact [Global Account Management](#).

5. Enter / Select the following details:

Create New Drop Copy Group

*** Drop Copy Group Name**

*** Front End System**

Mandatory Filter(s)

Optional Filter(s)

Manage Source SenderComps

Source SenderComps
Source SenderComps by GFID

Add Source SenderComps

No Source SenderComps available

Cancel
Submit

- **Drop Copy Group Name:** Enter a unique name (at the entity).
- **Front End System:** Receive messages processed by the selected system.
- **Mandatory / Optional Filters:** Select communication types to track.

Available [types](#):

- Acknowledgement (Ack) Messages.
- Execution Reports:
 - Execution - Order Entry: New Order Acknowledgement message.
 - Execution - Create / Cancel / Modify: Response message
 - Execution - Elimination: Order expiration message.
 - Trade - Fill Notice: Complete and partial fills.
 - Trade - Trade Cancel: Notifies user of trade cancellation.
- Heartbeats: The response message that confirms connectivity.
- Order Mass Action Filter: Confirms the number of canceled orders.
- Reject Messages: Message indicates a session level error has occurred.
- Trade Busts: Trade cancellation: (see Trade Cancel, above).



Note: Using configuration information, the selected communications are routed to the Source SenderComp / Session IDs.

6. Select **Add Source SenderComps**; then add individually or all Source SenderComps for a GFID.

- **Individual:** Source SenderComps tab > Add Source SenderComps button > (optional) Search SenderComps for a Globex Firm > Select checkbox(es).

Add Source SenderComps

Filter by Globex Firm(s)

Displaying 1 to 10 of 60 Source SenderComps | Items per page: 10 | [Copy](#) | [CSV](#) | [Excel](#) | [PDF](#) | [Print](#)

| Session ID | Session Type | GFID | Trader ID | Session Live Date | Front End System |
|------------|--------------|--------------------|-----------|-------------------|------------------|
| A12 | CGW | SAAAA - SAAAAINTEG | SAAAA | 13 Oct 2021 | Prop System |
| B34 | CGW | SAAAA - SAAAAINTEG | SAAAA | 02 Sep 2021 | Prop System |
| C56 | CGW | SAAAA - SAAAAINTEG | SAAAA | 17 Aug 2021 | Trading System |
| D78 | MSGW | SAAAA - SAAAAINTEG | SAAAA | 30 Aug 2021 | Trading System |
| E90 | MSGW | SAAAA - SAAAAINTEG | SAAAA | 30 Aug 2021 | Trading System |
| F98 | CGW | SAAAA - SAAAAINTEG | SAAAA | 29 Oct 2021 | Prop System |
| G76 | MSGW | SAAAA - SAAAAINTEG | SAAAA | 14 Aug 2021 | Trading System |
| H54 | CGW | SAAAA - SAAAAINTEG | SAAAA | 13 Oct 2021 | Prop System |
| I32 | MSGW | SAAAA - SAAAAINTEG | SAAAA | 01 Sep 2021 | Trading System |
| J10 | CGW | SAAAA - SAAAAINTEG | SAAAA | 24 Aug 2021 | Trading System |

1 2 3 4 5 6 Next > Last >

[Cancel](#) [Add](#)

- **By GFID:** Source SenderComps by GFID tab > Add Source SenderComps button > **Select** the Globex Firm from the drop-down menu.

Add Source SenderComps by Globex Firm

Add Source SenderComps by **Globex Firm**

Select Globex Firm(s) to add to this rule:

[OK](#) [Cancel](#)

7. After selecting **Source SenderComps**, Click **Add / OK** (when adding by GFID).

The selected source SenderComps appear in a list.

8. Click **Submit**.

A notification banner appears at the top of the screen and an email notification is sent to the registered email address.

The submitted request is viewable on the [My Requests](#) page.

After validation and setup, the status changes to **Completed** and the Drop Copy Group is viewable on the EBS Drop Copy Groups page.

Editing EBS Drop Copy Session Information

The following procedures illustrate the process to access a Drop Copy Group and edit details.

► To edit an EBS Drop Copy session:

1. From the Request Center (ESS) menu, select **EBS Requests > Drop Copy Groups**.

2. Make a selection in the **Registered Entity** drop-down menu, if necessary. As you enter characters in the field matching selections will appear.

This is automatically selected for users with access to one entity.

EBS Drop Copy Groups

Registered Entity

3. Select the linked **Group** from the list.

EBS Drop Copy Groups

Registered Entity CID666660 - INTEG

Delete Group(s) Export to Excel Create New Group

Displaying 1 to 9 of 9 Drop Copy Groups | Items per page: 10 | [Copy](#) | [CSV](#) | [Excel](#) | [PDF](#) | [Print](#)

| | Group | Front End System |
|--------------------------|-------------|------------------|
| <input type="checkbox"/> | 25AUG2021 | Prop System |
| <input type="checkbox"/> | 912021_rule | Prop System |
| <input type="checkbox"/> | 922021_ssc | Prop System |
| <input type="checkbox"/> | DCG_0929 | Prop System |
| <input type="checkbox"/> | dcg_1116 | Trading System |
| <input type="checkbox"/> | dcg_1126 | Trading System |
| <input type="checkbox"/> | dcg_1142021 | Trading System |
| <input type="checkbox"/> | dcg_test | Prop System |

4. On the Drop Copy Group details screen that appears, select **Edit**.

5. Edit details as necessary:

- **Drop Copy Group Name:** Enter a unique name (at the entity).
- **Front End System:** Receive messages processed by the selected system.
- **Mandatory / Optional Filters:** Select communication types to track.

Available [types](#):

- Acknowledgement (Ack) Messages.
- Execution Reports:
 - Execution - Order Entry: New Order Acknowledgement message.
 - Execution - Create / Cancel / Modify: Response message
 - Execution - Elimination: Order expiration message.
 - Trade - Fill Notice: Complete and partial fills.
 - Trade - Trade Cancel: Notifies user of trade cancellation.
- Heartbeats: The response message that confirms connectivity.
- Order Mass Action Filter: Confirms the number of canceled orders.

- Reject Messages: Message indicates a session level error has occurred.
- Trade Busts: Trade cancellation: (see Trade Cancel, above).
- **Add Source Sender Comps**
 - **Individual:** Source SenderComps tab > Add Source SenderComps button > (optional) Search SenderComps for a Globex Firm > Select checkbox(es).
 - **by GFID:** Source SenderComps by GFID tab > Add Source SenderComps button > **Select** the Globex Firm from the drop-down menu.

6. To finalize updates, select **Submit**.

Note: To delete a Drop Copy Group, select the checkbox for the session to delete, then select the Delete Group(s) button.

Secure Key Pairs

CME Group uses a secure login process for Drop Copy, [Order Entry](#) and [Market Data](#) API services.

Using self-service functions, users can generate and manage key pairs ([Access Key ID](#)Secure login request + [Secret Key](#)Used to create HMAC signature.) to secure user login and Drop Copy message activity.

- **Customer identity verification:** Login is signed with CME Group issued and validated security credentials.
- **Message confidentiality and integrity:** CME Globex uses customer submitted credentials to calculate the HMAC value to validate against a login request.
 - Once created, credentials are accessible and available for multiple downloads.
 - In situations when a secure key is within four weeks of expiration, a user can have two secure key pairs. Notification of pending security credential expiration will be sent by email to registered administrators.
 - If a customer generates a third secure key pair:
 - The user must delete a secure key pairs immediately.
 - The oldest secure key pair will expire in four weeks (at market close).

Generating Keys for Drop Copy Sessions

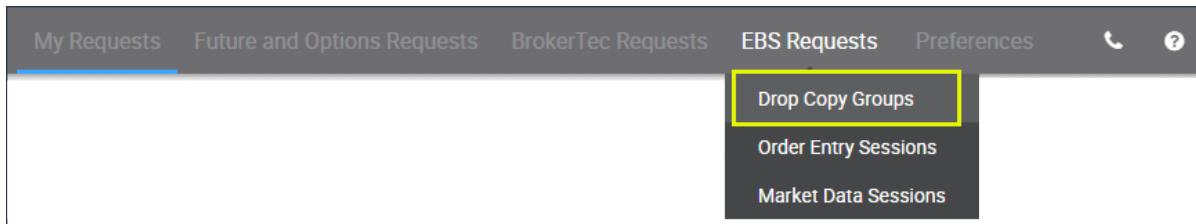
Users can set up a secure key pairs (Access Key ID + Secret Key), which use Hashed message authentication codes (HMAC) to secure login to receive Drop Copy Group messages. Secure key pairs are valid for 12 months.

Pending Expiration

Prior to expiration, an email notification is sent to registered administrators and a system notification on the Drop Copy, [Order Entry](#) or [Market Data Session](#) modules. During the pending expiration period a *second* key pair can be created and the initial key pair remains active for up to four weeks, after which the older key pair is automatically expired (after market close).

Following is an overview of the secure key management process:

1. From the *EBS Requests* menu, select **Drop Copy Groups**.



2. Select **Registered Entity**. As you enter characters in the field, matching selections will appear.



3. From the **EBS Drop Copy Group** page, select a checkbox.

The screenshot shows the 'EBS Drop Copy Groups' page. The 'Actions for Selected Session(s)' button is highlighted with a yellow box. The table lists nine drop copy groups, each with a checkbox and a 'Front End System' column. A yellow box also highlights the first group, '25AUG2021'.

| | Group | Front End System |
|--------------------------|-------------|------------------|
| <input type="checkbox"/> | 25AUG2021 | Prop System |
| <input type="checkbox"/> | 912021_rule | Prop System |
| <input type="checkbox"/> | 922021_ssc | Prop System |
| <input type="checkbox"/> | DCG_0929 | Prop System |
| <input type="checkbox"/> | dcg_1116 | Trading System |
| <input type="checkbox"/> | dcg_1126 | Trading System |
| <input type="checkbox"/> | dcg_1142021 | Trading System |
| <input type="checkbox"/> | dcg_test | Prop System |

4. From the *Actions for Selected Group(s)* menu, select **Generate Keys**.

Actions for Selected Session(s) ▾

Manage Keys

- Generate Keys**
- Delete Keys
- Download Keys

Delete Sessions

On the dialog that appears, existing key IDs are displayed.

Note: If prompted, select a key to be deleted immediately, then click **Delete Selected Key and Proceed**.

Generate New Keys

Only one **active key** is allowed per session.
Please select which key below you would like to **delete Immediately** for the following session:
Please Note: Any additional keys will be expired in 4 weeks.

Select all oldest keys ✖ Key will expire within 4 weeks

| Session ID | Key ID(s) | Key Creation Date | Key Expiry Date |
|-----------------------------|--------------------------------------------|----------------------------|----------------------------|
| <input type="radio"/> MD111 | AAAAAAAAAAAAAppVlqR BBBBBBBBBBBBBBJtTPH | 26 Oct 2021 13 Dec 2021 | 10 Jan 2022 13 Dec 2022 |

Cancel **Delete Selected Key(s) and Proceed**

- Existing Key ID to be expired in 4 weeks
- Existing Key ID to be deleted immediately upon creation of a new ID
- If a third secure key pair is generated, you must select a secure key pair to delete immediately.

5. Select **Generate Key(s)**.

Generate New Keys

◀ Back

A new key will be generated for the following session:

| Session ID | Existing Key ID to be expired in 4 weeks | Existing Key ID to be deleted immediately |
|------------|------------------------------------------|-------------------------------------------|
| 11Q | - | - |

Cancel **Generate Key(s)**

The Download Keys window appears and an authentication code is sent to the registered mobile phone number.

6. Select **Download All Key(s)**, then enter the **authentication code** that was sent to the mobile phone number.

Download Keys

Protect your CME Group Account

We do not recognize your device. In order to maintain the highest level of security, please click 'Send Code' for a security code to be delivered to your device. If you are unable to receive the security code, please contact CME Group Enterprise Application and System Entitlements at +1 312 456 1560 (US), +44 20 3379 3802 (Europe), or +65 6593 5536 (Asia).

[Resend Code](#)

Security Code
*

[Cancel](#) [Download All Key\(s\)](#)

After verifying the code, the files are saved to the default browser directory.

If you did not receive the security code, select Resend Code, then [Download the Key\(s\)](#).

Downloading Keys for EBS Drop Copy Groups

The following instructions illustrate the process to download a previously generated Secure Key ID file.

► To download secure keys:

1. From the *EBS Drop Copy Group* page, select the checkbox for the **Group** to manage.

EBS Drop Copy Groups

Registered Entity: CID666660 - INTEG [Refresh](#)

[Actions for Selected Session\(s\) ▾](#) [Export to Excel](#) [Create New Group](#)

Displaying 1 to 9 of 9 Drop Copy Groups | Items per page: 10 | [Copy](#) | [CSV](#) | [Excel](#) | [PDF](#) | [Print](#)

| <input type="checkbox"/> | Group | Front End System |
|--------------------------|-------------|------------------|
| <input type="checkbox"/> | 25AUG2021 | Prop System |
| <input type="checkbox"/> | 912021_rule | Prop System |
| <input type="checkbox"/> | 922021_ssc | Prop System |
| <input type="checkbox"/> | DCG_0929 | Prop System |
| <input type="checkbox"/> | dcg_1116 | Trading System |
| <input type="checkbox"/> | dcg_1126 | Trading System |
| <input type="checkbox"/> | dcg_1142021 | Trading System |
| <input type="checkbox"/> | dcg_test | Prop System |

2. From the *Actions for Selected Session(s)* menu, select **Download Keys**.

Actions for Selected Session(s) ▾

Manage Keys

Generate Keys

Delete Keys

Download Keys

Delete Sessions

An authentication code is sent to the registered mobile phone number.

3. On the Download Keys screen that appears, enter the **authentication code** that was sent to the mobile phone number, then select **Download All Key(s)**,

Download Keys

Protect your CME Group Account

We do not recognize your device. In order to maintain the highest level of security, please click 'Send Code' for a security code to be delivered to your device. If you are unable to receive the security code, please contact CME Group Enterprise Application and System Entitlements at +1 312 456 1560 (US), +44 20 3379 3802 (Europe), or +65 6593 5536 (Asia).

Security Code

*

The file is saved to the default browser directory.

4. If you did not receive the security code, select **Resend Code**.

Deleting Keys for EBS Drop Copy Groups

► To delete secure keys:

1. From the *EBS Drop Copy Group* page, select the checkbox for the **Session ID(s)** to manage.

| EBS Drop Copy Groups | | Refresh |
|---------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------|
| Registered Entity | CID666660 - INTEG | |
| Actions for Selected Session(s) ▾ | Export to Excel | Create New Group |
| Displaying 1 to 9 of 9 Drop Copy Groups | Items per page: 10 | Copy CSV Excel PDF Print |
| Group ▾ | Front End System ▾ | |
| <input type="checkbox"/> 25AUG2021 | Prop System | |
| <input type="checkbox"/> 912021_rule | Prop System | |
| <input type="checkbox"/> 922021_ssc | Prop System | |
| <input type="checkbox"/> DCG_0929 | Prop System | |
| <input type="checkbox"/> dcg_1116 | Trading System | |
| <input type="checkbox"/> dcg_1126 | Trading System | |
| <input type="checkbox"/> dcg_1142021 | Trading System | |
| <input type="checkbox"/> dcg_test | Prop System | |

2. From the **Actions for Selected Session(s)** menu, select **Delete Keys**.

[Actions for Selected Session\(s\) ▾](#)

Manage Keys

Generate Keys

[Delete Keys](#)

Download Keys

[Delete Sessions](#)

If there is more than one key for a session, select the key(s) to be deleted.

3. Select **Delete Key(s)**.
4. On the confirmation window, select **Delete Key(s)** again.

A confirmation banner appears on the screen and an email notification is sent to the registered email address.

Order Entry Sessions

Using the **EBS Requests - Order Entry Sessions** function, authorized users can create and manage order entry sessions which are used to create and manage order entry sessions, which are used to process bidirectional [order messages](#).

Within a single entity (Globex firm), multiple order entry sessions can be created.

Users can also generate and manage secure key pairs that are used to authenticate the [secure logon](#) process for order entry sessions.

 **Note:** The iLink IP and port information will be available after sessions are created.

On the Order Entry Sessions page, the following functions are available:

- [Creating an EBS Order Entry Session](#)
- [Checking Order Entry Session status](#)
- [Editing EBS Order Entry Session Information](#)

Secure Key Pairs

- [Generating a Key for EBS Order Entry Sessions](#)
- [Downloading Keys for EBS Order Entry Sessions](#)
- [Deleting Keys for EBS Order Entry Sessions](#)

Creating a EBS Order Entry Session

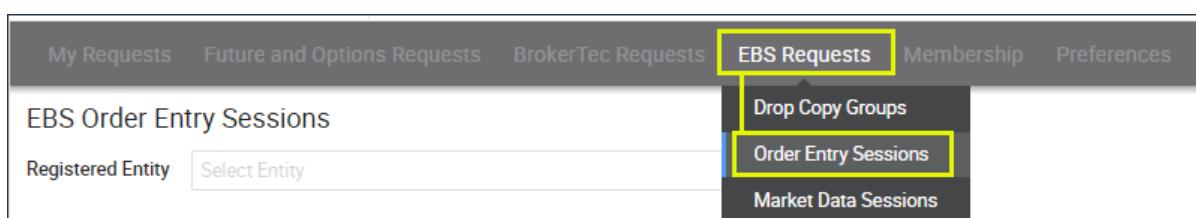
On the **EBS Requests - Order Entry Sessions** page, users can create new EBS order entry sessions.

A valid order entry session consists of:

- SenderComplID
 - Session ID (first 3 characters)
 - Globex Firm ID (next 3 to 5 characters)
 - Fault Tolerance Indicator (last character)
- Password
- Access Key ID
- IP address
- Port
- Market Segment ID (MSGW session)

 **To create a new EBS order entry session:**

1. From the Request Center (ESS) menu, select **EBS Requests > Order Entry Sessions**.



2. Make a selection in the **Registered Entity** drop-down menu. As you enter characters in the field matching selections will appear.

This is automatically selected for users with access to one entity.

3. Select **Create New Order Entry Session**, then enter session details.

- **Globex Firm:** Identifies the firm associated with the new order entry session. This firm submit orders and receives order and trade related messages.
 - **Entitlements:** Select products to enable for order entry (EBS-SPOT, EBS-ONSEF-NDF, EBS-OFFSEF-NDF).
- **Connection Region:** London / New York / Tokyo
- **Session Type:** *Convenience Gateway*A connection to any CGW session, which manages routing for all order entry messages to all market segments; routing is transparent to customer., *Market Segment Gateway*A connection to a dedicated market segment, which is defined as a group of products on a given trading engine instance.
- **Number of Sessions:** (Up to 15) The number of available sessions cannot be more than allocated to an entity (Globex Firm).

Order Entry sessions may incur a fee.
- **Front End System:** Select the application(s) for which the session is authorized.

Select from available [Front-End Systems](#).
- **Live Date:** The requested effective date the session will be available.

4. Select **Proceed** then set up a [Secure Key Pair](#), which is used for authentication during Order Entry Session login.

Confirmation and Notification

- A screen *notification* appears, indicating successful submission.
- To view the new Order Entry Session, select **Refresh** (), then select the linked **Session ID** from the page.
- An *email* notification is sent to the registered email address.
- Request details are viewable on the [My Requests](#) tab.

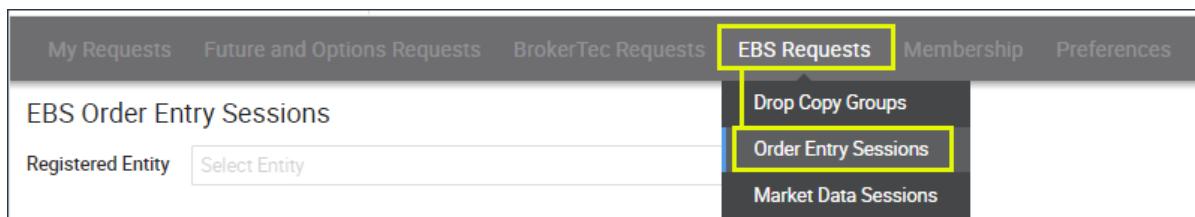
After validation and setup, the status changes to **Completed** and the session appears in the list on the **EBS Order Entry Sessions** page, with an assigned Session ID.

Editing EBS Order Entry Session Information

The following instructions illustrate the process to access the Order Entry Session functions to update details, including secure key pairs.

To edit a EBS order entry session:

1. From the Request Center (ESS) menu, select **EBS Requests > Order Entry Sessions**.

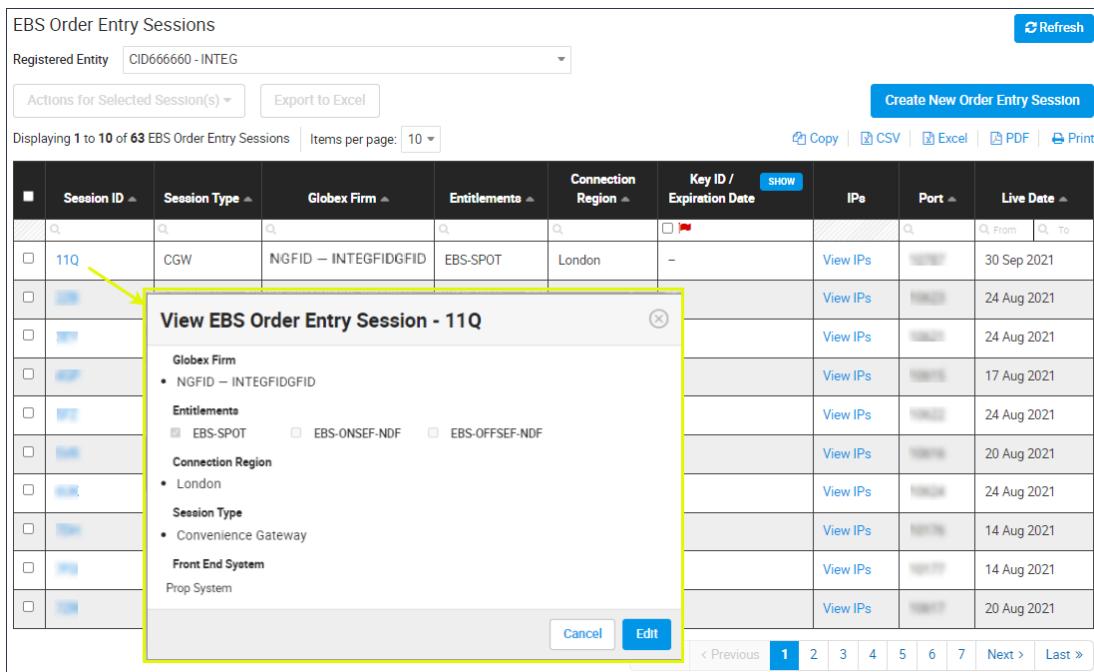


2. Select a **Registered Entity** from the drop-down menu.

As you enter characters in the field matching selections will appear.



3. Select the linked **Session ID**, then select **Edit** on the screen that appears.



The screenshot shows a table of EBS Order Entry Sessions. A yellow arrow points to the session '11Q'. A modal window titled 'View EBS Order Entry Session - 11Q' is overlaid on the table. The modal contains the following details:

| Session ID | | Session Type | Globex Firm | Entitlements | Connection Region | Key ID / Expiration Date | IPs | Port | Live Date |
|------------|-----|---------------------|-------------|--------------|-------------------|--------------------------|----------|----------|-------------|
| 11Q | CGW | NGFID – INTEGFIDGFI | EBS-SPOT | London | - | View IPs | View IPs | View IPs | 30 Sep 2021 |
| | | | | | | View IPs | View IPs | View IPs | 24 Aug 2021 |
| | | | | | | View IPs | View IPs | View IPs | 24 Aug 2021 |
| | | | | | | View IPs | View IPs | View IPs | 17 Aug 2021 |
| | | | | | | View IPs | View IPs | View IPs | 24 Aug 2021 |
| | | | | | | View IPs | View IPs | View IPs | 20 Aug 2021 |
| | | | | | | View IPs | View IPs | View IPs | 24 Aug 2021 |
| | | | | | | View IPs | View IPs | View IPs | 14 Aug 2021 |
| | | | | | | View IPs | View IPs | View IPs | 14 Aug 2021 |
| | | | | | | View IPs | View IPs | View IPs | 20 Aug 2021 |

The modal also includes a 'Cancel' and 'Edit' button at the bottom.

The following fields can be updated:

- **Entitlements:** EBS products to enable for order entry (EBS-SPOT, EBS-ONSEF-NDF, EBS-OFFSEF-NDF).
- **Front End System:** Select the application(s) for which the session is authorized.
Select from available [Front-End Systems](#).
- **Live Date**

4. After updating, select **Proceed** to finalize.

CME Group uses a secure login process for [Drop Copy](#), Order Entry and [Market Data](#) API services.

Using self-service functions, users can generate and manage key pairs (**Access Key ID**Secure login request + **Secret Key**Used to create HMAC signature.) to secure user login and Order Entry message activity.

- **Customer identity verification:** Login is signed with CME Group issued and validated security credentials.
- **Message confidentiality and integrity:** CME Globex uses customer submitted credentials to calculate the HMAC value to validate against a login request.
 - Once created, credentials are accessible and available for multiple downloads.
 - In situations when a secure key is within four weeks of expiration, a user can have two secure key pairs. Notification of pending security credential expiration will be sent by email to registered administrators.
- If a customer generates a third secure key pair:
 - The user must delete a secure key pairs immediately.
 - The oldest secure key pair will expire in four weeks (at market close).

Generating Keys for EBS Order Entry Sessions

Users can set up a secure key pairs (Access Key ID + Secret Key), which use Hashed message authentication codes (HMAC) to secure login to API Order Entry sessions.

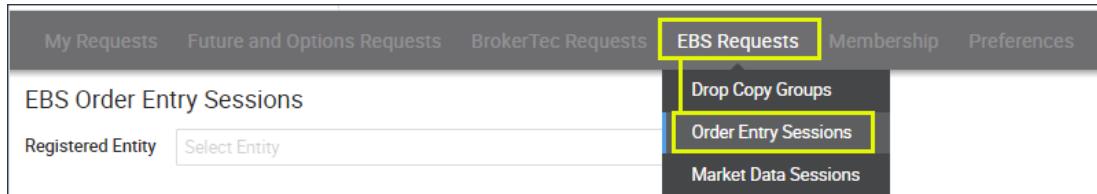
Pending Expiration

Prior to expiration, an email notification is sent to registered administrators and a system notification on the [Drop Copy](#), Order Entry or [Market Data Session](#) modules. During the expiration period a *second* key pair can be created and the initial

key pair remains active for up to four weeks, after which the older key pair is automatically expired (after market close). If a *third* secure key pair is generated, an existing *customer selected* secure key pair will be deleted immediately.

► **To generate keys for EBS Order Entry sessions:**

1. From the *EBS Requests* function, select **Order Entry Sessions**.



2. Select a **Registered Entity**, if necessary. As you enter characters in the field matching selections will appear.



This is automatically selected for users with permissions for just one entity.

3. Select a **Session ID(s)** checkbox.

The screenshot shows a table titled 'EBS Order Entry Sessions'. At the top, there is a 'Registered Entity' dropdown set to 'CID666660 - INTEG'. Below the dropdown are three buttons: 'Actions for Selected Session(s)' (highlighted with a yellow box), 'Export to Excel', and 'Create New Order Entry Session'. The table has a header with columns: 'Session ID', 'Session Type', 'Globex Firm', 'Entitlements', 'Connection Region', 'Key ID / Expiration Date', 'IPs', 'Port', and 'Live Date'. The data table shows two rows of sessions. The first row has a checked checkbox in the 'Session ID' column, and the session ID is '110'. The second row has an unchecked checkbox and the session ID is '22B'. The table also includes search and sort icons for each column header.

| | Session ID | Session Type | Globex Firm | Entitlements | Connection Region | Key ID / Expiration Date | IPs | Port | Live Date |
|-------------------------------------|------------|--------------|-----------------------|--------------|-------------------|--------------------------|--------------------------|-------|-------------|
| <input checked="" type="checkbox"/> | 110 | CGW | GGFID – INTEGFIDGGFID | EBS-SPOT | London | – | View IPs | 10780 | 30 Sep 2021 |
| <input type="checkbox"/> | 22B | CGW | SAAAA – SAAAAIAAAAG | EBS-SPOT | Tokyo | – | View IPs | 10620 | 24 Aug 2021 |

4. From the menu *Actions for Selected Session(s)*, select **Generate Keys**.

Actions for Selected Session(s) ▾

Manage Keys

- Generate Keys**
- Delete Keys
- Download Keys

Delete Sessions

On the dialog that appears, existing key IDs are displayed.

Note: If prompted, select a key to be deleted immediately, then click **Delete Selected Key and Proceed**.

Generate New Keys

Only one **active key** is allowed per session.
Please select which key below you would like to **delete immediately** for the following session:
Please Note: Any additional keys will be expired in 4 weeks.

Select all oldest keys ✖ Key will expire within 4 weeks

| Session ID | Key ID(s) | Key Creation Date | Key Expiry Date |
|-----------------------------|-----------------------------------------------|----------------------------|----------------------------|
| <input type="radio"/> MD111 | AAAAAAAAAAAAAppVlqR BBBBBBBBBBBBBBBBJftTPH | 26 Oct 2021 13 Dec 2021 | 10 Jan 2022 13 Dec 2022 |

Cancel **Delete Selected Key(s) and Proceed**

- Existing Key ID to be expired in 4 weeks
- Existing Key ID to be deleted immediately upon creation of a new ID
- If a third secure key pair is generated, you must select a secure key pair to delete immediately.

5. Select **Generate Key(s)**.

◀ Back Generate New Keys

A new key will be generated for the following session:

| Session ID | Existing Key ID to be expired in 4 weeks | Existing Key ID to be deleted immediately |
|------------|------------------------------------------|-------------------------------------------|
| 11Q | - | - |

Cancel **Generate Key(s)**

The Download Keys window appears and an authentication code is sent to the registered mobile phone number.

The request to generate new keys for your sessions have been processed successfully and the keys can now be downloaded

Request #207359

Download Keys

Please download the key below in **Text format**. You will be prompted to enter a **security code** when you click the **Download All Key(s)** button.

Key will expire within 4 weeks

| Session ID | Key ID | Key Expiration Date |
|------------|----------------------|---------------------|
| 11Q | 12345678901234567890 | 02 Dec 2022 |

Cancel **Download All Key(s)**

6. Select **Download All Key(s)**, then enter the **authentication code** that was sent to the mobile phone number.

Download Keys

Protect your CME Group Account

We do not recognize your device. In order to maintain the highest level of security, please click 'Send Code' for a security code to be delivered to your device. If you are unable to receive the security code, please contact CME Group Enterprise Application and System Entitlements at +1 312 456 1560 (US), +44 20 3379 3802 (Europe), or +65 6593 5536 (Asia).

Resend Code

Security Code

Cancel **Download All Key(s)**

After verifying the code, the file is saved to the default browser directory.

If you did not receive the security code, select **Resend Code**, then **Download the Key(s)**.

Downloading Keys for EBS Order Entry Sessions

The following instructions illustrate the process to download a previously generated Secure Key ID file.

More: "Secure Key Pairs"

► To download secure keys for EBS Order Entry Sessions:

1. From the *EBS Order Entry Sessions* page, select the checkbox for the **Session ID(s)** to manage.

EBS Order Entry Sessions

Registered Entity: CID666660 - INTEG

Actions for Selected Session(s) ▾ **Export to Excel** **Create New Order Entry Session**

Displaying 1 to 10 of 63 EBS Order Entry Sessions | Items per page: 10

| Session ID | Session Type | Globex Firm | Entitlements | Connection Region | Key ID / Expiration Date | IPs | Port | Live Date |
|-----------------------------------------|--------------|---------------------|--------------|-------------------|--------------------------|--------------------------|-------|-------------|
| <input checked="" type="checkbox"/> 11Q | CGW | GGFID – INTEGFIDGFD | EBS-SPOT | London | – | View IPs | 10780 | 30 Sep 2021 |
| <input type="checkbox"/> 22B | CGW | SAAAA – SAAAAIAAAAG | EBS-SPOT | Tokyo | – | View IPs | 10620 | 24 Aug 2021 |

2. From the **Actions for Selected Session(s)** menu, select **Download Keys**.

Actions for Selected Session(s) ▾

Manage Keys

Generate Keys

Delete Keys

Download Keys

Delete Sessions

An authentication code is sent to the registered mobile phone number.

3. Enter the **authentication code** that was sent to the mobile phone number, then select **Download All Key(s)**.

Download Keys

Protect your CME Group Account

We do not recognize your device. In order to maintain the highest level of security, please click 'Send Code' for a security code to be delivered to your device. If you are unable to receive the security code, please contact CME Group Enterprise Application and System Entitlements at +1 312 456 1560 (US), +44 20 3379 3802 (Europe), or +65 6593 5536 (Asia).

Resend Code

Security Code
*

Cancel **Download All Key(s)**

After verifying the code, the file is saved to the default browser directory.

4. If you did not receive the security code, select **Resend Code**.

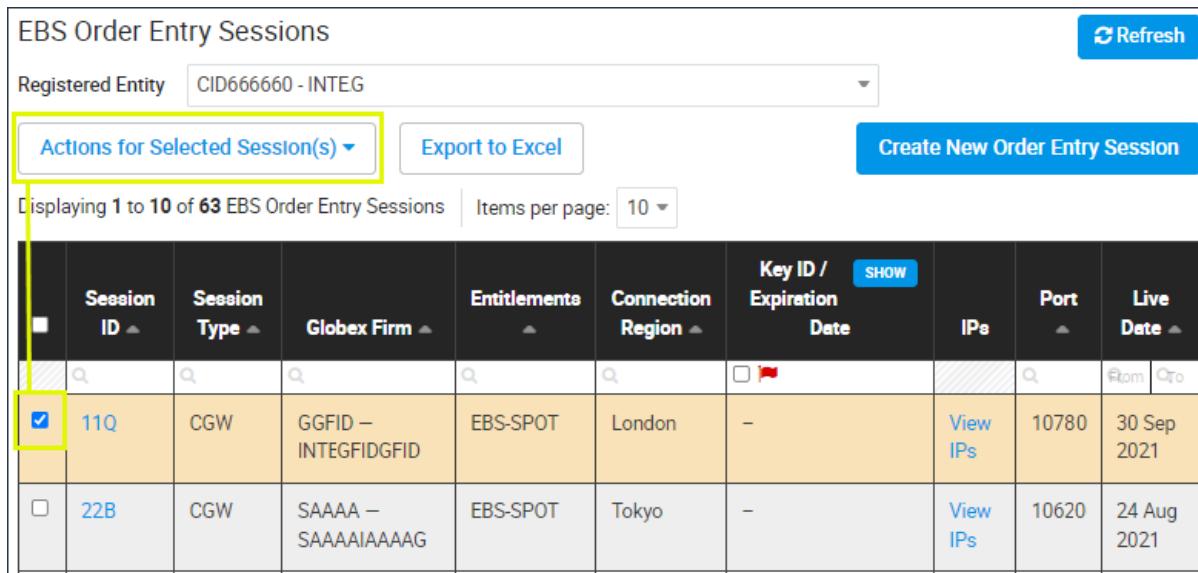
Deleting Keys for EBS Order Entry Sessions

The following instructions illustrate the process to delete a Secure Key ID for an EBS Order Entry Session.

More: "Secure Key Pairs"

► To delete keys for EBS Order Entry Sessions:

- From the *EBS Order Entry Sessions* page, select the checkbox for the **Session ID(s)** to manage.



EBS Order Entry Sessions

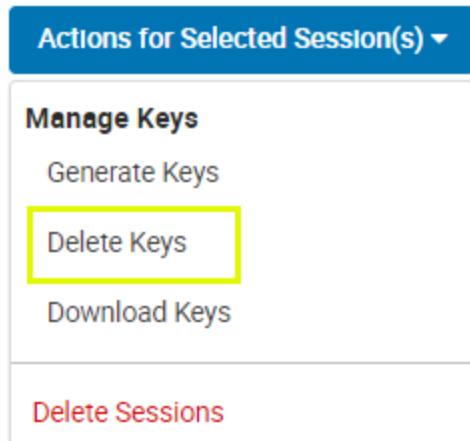
Registered Entity CID666660 - INTEG

Actions for Selected Session(s) ▾ Export to Excel Create New Order Entry Session

Displaying 1 to 10 of 63 EBS Order Entry Sessions Items per page: 10 ▾

| Session ID | Session Type | Globex Firm | Entitlements | Connection Region | Key ID / Expiration Date | IPs | Port | Live Date |
|------------|--------------|-----------------------|--------------|-------------------|--------------------------|--------------------------|-------|-------------|
| 11Q | CGW | GGFID – INTEGFIGDGFID | EBS-SPOT | London | – | View IPs | 10780 | 30 Sep 2021 |
| 22B | CGW | SAAAA – SAAAAIAAAAG | EBS-SPOT | Tokyo | – | View IPs | 10620 | 24 Aug 2021 |

- From the *Actions for Selected Session(s)* menu, select **Delete Keys**.



Actions for Selected Session(s) ▾

Manage Keys

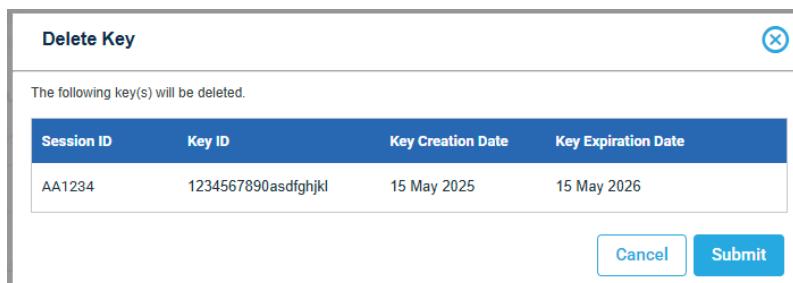
Generate Keys

Delete Keys

Download Keys

Delete Sessions

If there is more than one key for a session, select the key(s) to be deleted.



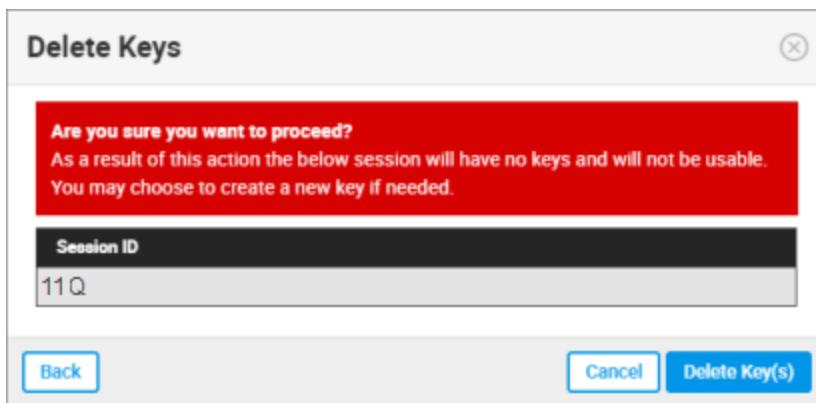
Delete Key

The following key(s) will be deleted.

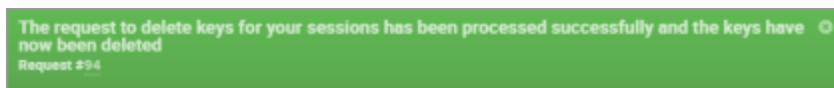
| Session ID | Key ID | Key Creation Date | Key Expiration Date |
|------------|---------------------|-------------------|---------------------|
| AA1234 | 1234567890asdfghjkl | 15 May 2025 | 15 May 2026 |

[Cancel](#) [Submit](#)

3. Select **Delete Key(s)**.
4. On the confirmation window, select **Delete Key(s)** again.



A confirmation banner appears on the screen and an email notification is sent to the registered email address.



Market Data Sessions

Using the **EBS Requests - Market Data Sessions** function, authorized users can create and manage market data sessions which are used to access TCP market data via an API connection.

The following functions are available on the **EBS Requests - Market Data Sessions** page:

- [Creating EBS Market Data Sessions](#)
- [Checking Market Data Session status](#)
- [Editing Market Data Session Information](#)

Secure Key Pairs: Secure login key setup

- [Generating Keys for EBS Market Data Sessions](#)
- [Downloading Keys for EBS Market Data Sessions](#)
- [Deleting Keys for EBS Market Data Sessions](#)

Creating an EBS Market Data Session

The following instructions illustrate the process to create EBS market data sessions.

► **To create a new EBS market data session:**

1. From the *EBS Requests* menu, select **Market Data Sessions**.



2. Make a selection in the **Registered Entity** drop-down menu. As you enter characters in the field matching selections will appear.

This is automatically selected for users with access to one entity.

The screenshot shows the 'EBS Market Data Sessions' page. At the top, there are tabs: 'My Requests', 'Future and Options Requests', 'BrokerTec Requests', 'EBS Requests' (which is underlined in blue, indicating it is the active tab), and 'Preferences'. Below the tabs, it displays 'Registered Entity' information: 'CID02333 – TEST AG 002'. A blue button labeled 'Create New Market Data Session' is located on the right. A message box below states 'No EBS Market Data Sessions available'.

3. Select **Create New Market Data Session**, then enter session details.

The dialog box is titled 'New EBS Market Data Session'. It contains the following fields:

- * Globex Firm:** A dropdown menu labeled 'Select Globex Firm'.
- * Number of Sessions:** A dropdown menu labeled 'Select Number of Sessions'.
- * Front End System:** A dropdown menu labeled 'Select a Front End System'.
- * Live Date:** A text input field showing '28 Oct 2021' with a calendar icon to its right.

At the bottom of the dialog are two buttons: 'Cancel' and 'Submit'.

- **Globex Firm:** Select from EBS market participants, also known as Deal / Floor Code.
- **Market Data Products** (appears after selecting the Globex Firm): **Select** () / **Deselect** () all products within a group.

Market Data Products

Credit Screened

- OFF SEF/OFF MTF NDFs (1 of 1) ▼
- ON SEF/ON MTF NDFs (2 of 2) ▼
- Spot FX (56 of 56) ▼
- Spot Precious Metals (8 of 8) ▼
- eFix Matching (94 of 94) ▼

| | |
|----------------------------------------------------|---------------------------------------------------|
| Unscreened | Spectrum |
| <input checked="" type="checkbox"/> FXSPOT.USD/RUB | <input checked="" type="checkbox"/> Spectrum Spot |
| <input checked="" type="checkbox"/> FXSPOT.EUR/RUB | |

To enable products after deselecting, expand the product group, then Select **Individual / All** products.

- OFF SEF/OFF MTF NDFs (1 of 1) ▲
 - ON SEF/ON MTF NDFs (2 of 2) ▼
- Collapse:**
- **Filter:** Select / deselect products or use the filter to view and select products for a particular currency / metal (for Spot Precious Metals).
 - **Number of Sessions:** 1 - 15
 - **Front End System:** Select the application(s) for which the session is authorized to monitor.
 - **Live Date:** The requested effective date of the session.

4. Select **Submit** when done.

Confirmation and Notification

- A screen *notification* appears, indicating successful submission.
- To view the new Market Data Session, select **Refresh** (), then select the linked **Session ID** from the page.
- An *email* notification is sent to the registered email address.
- Request details are viewable on the [My Requests](#) tab.

After validation and setup, the status changes to **Completed**, the session appears in the list with an assigned Session ID and IP address.

Editing Market Data Session Information

The following procedures illustrate the process to access a Market Data Session and edit details.

► **To create a new EBS market data session:**

1. From the *EBS Requests* menu, select **Market Data Sessions**.



2. Make a selection in the **Registered Entity** drop-down menu. As you enter characters in the field matching selections will appear.

This is automatically selected for users with access to one entity.

3. Select the linked **Session ID**, then select **Edit** on the screen that appears.

EBS Market Data Sessions

Registered Entity CID666660 - INTEG

Actions for Selected Session(s) Export to Excel Create New Market Data Session

Displaying 1 to 10 of 45 EBS Market Data Sessions Items per page: 10

Copy CSV Excel PDF Print

| Session ID | Session Type | Globex Firm | Key ID / Expiration Date | IPs | Live Date |
|------------|--------------|-------------------|--------------------------|-----|-----------|
| MD111 | MS | SAAA - SAAA/INTEG | View IPs 04 Nov 2021 | | |
| MD222 | MS | SAAA - SAAA/INTEG | View IPs 18 Nov 2021 | | |

View EBS Market Data Session - MD111

Globex Firm: SAAA - SAAA/INTEG

Market Data Products:

- Credit Screened:
 - OFF SEF/OFF MTF NDFs (1 of 1)
 - ON SEF/ON MTF NDFs (2 of 2)
 - Spot FX (56 of 56)
 - Spot Precious Metals (8 of 8)
 - eFix Matching (94 of 94)
- Unscreened:
 - FXSPOT.USD/RUB
 - FXSPOT.EUR/RUB

Session Type: MSGW

Front End System: Prop System

Edit

The following fields can be updated:

- Market Data Products: Select () / Deselect () all products within a group.

Market Data Products

Credit Screened

- OFF SEF/OFF MTF NDFs (1 of 1) ▼
- ON SEF/ON MTF NDFs (2 of 2) ▼
- Spot FX (56 of 56) ▼
- Spot Precious Metals (8 of 8) ▼
- eFix Matching (94 of 94) ▼

Unscreened **Spectrum**

- FXSPOT.USD/RUB Spectrum Spot
- FXSPOT.EUR/RUB

To enable products after deselecting, expand the product group, then Select **Individual / All** products.

- OFF SEF/OFF MTF NDFs (1 of 1) ▲
Expand:
 - ON SEF/ON MTF NDFs (2 of 2) ▼
Collapse:
- **Front End System:** Select the application(s) for which the session is authorized to monitor.
 - **Live Date:** The requested effective date of the session.

4. Select **Submit** when done.

► **To delete market data sessions:**

From the main EBS Market Data Sessions page, select the checkbox for the Market Data Session ID to delete, then select **Actions for Selected Session(s) > Delete Sessions**.

EBS Market Data Sessions

Registered Entity: CID666660 - INTEG Refresh

Actions for Selected Session(s) Export to Excel Create New Market Data Session

Displaying 1 to 10 of 47 Entries 10

Actions for Selected Session(s)

| Session ID | Manage Keys | Key ID / Expiration Date | IPs | Live Date |
|------------|-----------------------------------------------|--------------------------|-------------------------------|-------------|
| MD111 | Generate Keys Delete Keys Download Keys | SHOW G ***** | View IPs From: 04 Nov 2021 | 04 Nov 2021 |
| MD222 | | SHOW G - | View IPs From: 18 Nov 2021 | 18 Nov 2021 |

Delete Sessions

Secure Key Pairs

CME Group uses a secure login process for [Drop Copy](#), [Order Entry](#) and Market Data API services.

Using self-service functions, users can generate and manage key pairs (*Access Key ID*Secure login request + *Secret Key*Used to create HMAC signature.) to secure user login and Market Data activity.

- **Customer identity verification:** Login is signed with CME Group issued and validated security credentials.
- **Message confidentiality and integrity:** CME Globex uses customer submitted credentials to calculate the HMAC value to validate against a login request.
 - Once created, credentials are accessible and available for multiple downloads
 - In situations when a secure key is within four weeks of expiration, a user can have two secure key pairs. Notification of pending security credential expiration will be sent by email to registered administrators.
 - If a customer generates a third secure key pair:
 - The user must delete a secure key pairs immediately.
 - The oldest secure key pair will expire in four weeks (at market close).

Generating Keys for EBS Market Data Sessions

CME Group uses a secure login process for [Market Data Sessions](#) API services.

Generating Keys for EBS Market Data Sessions

Users can set up a secure key pairs (Access Key ID + Secret Key) to secure login to Market Data API sessions.

Pending Expiration

Prior to expiration, an email notification is sent to registered administrators and a system notification on the [Drop Copy](#), [Order Entry](#) or Market Data Session modules. During the pending expiration period a *second* key pair can be created and the initial key pair remains active for up to four weeks, after which the older key pair is automatically expired (after market close). If a *third* secure key pair is generated, an existing *customer selected* secure key pair will be deleted immediately.

► To generate keys for EBS Market Data sessions:

1. From the *EBS Requests* menu, select **Market Data Sessions**.



2. Make a selection in the **Registered Entity** drop-down menu. As you enter characters in the field matching selections will appear.

This is automatically selected for users with access to one entity.

3. From the *EBS Market Data Sessions* page, select the **checkbox** for the Market Data Session ID to manage.

| Session ID | Session Type | Globex Firm | Key ID / Expiration Date | SHOW | IPs | Live Date |
|-------------------------------------------|--------------|--------------------|--------------------------|--------------------------|-------------|-----------|
| <input checked="" type="checkbox"/> MD111 | MSGW | SAAAA – SAAAINTEAG | ***** | View IPs | 04 Nov 2021 | |
| <input type="checkbox"/> MD222 | MSGW | SAAAA – SAAAINTEAG | – | View IPs | 18 Nov 2021 | |

4. From the menu *Actions for Selected Session(s)*, select **Generate Keys**.

- Manage Keys
 - Generate Keys
 - Delete Keys
 - Download Keys
- Delete Sessions

On the dialog that appears, existing key IDs are displayed.

Note: If prompted, select a key to be deleted immediately, then click **Delete Selected Key and Proceed**.

Generate New Keys

Only one active key is allowed per session.
Please select which key below you would like to **delete immediately** for the following session:
Please Note: Any additional keys will be expired in 4 weeks.

Select all oldest keys Key will expire within 4 weeks

| Session ID | Key ID(s) | Key Creation Date | Key Expiry Date |
|-----------------------------|---------------------------------------------|----------------------------|---------------------------------------------------------------|
| <input type="radio"/> MD111 | AAAAAAAAAAAAAppVlqR BBBBBBBBBBBBBBJftTPH | 26 Oct 2021 13 Dec 2021 | ■ 10 Jan 2022 13 Dec 2022 |

Cancel **Delete Selected Key(s) and Proceed**

- Existing Key ID to be expired in 4 weeks
- Existing Key ID to be deleted immediately upon creation of a new ID
- If a third secure key pair is generated, you must select a secure key pair to delete immediately.

5. Select **Generate Key(s)**.

The Download Keys window appears and an authentication code is sent to the registered mobile phone number.

Generate New Keys

A new key will be generated for the following session:

| Session ID | Existing Key ID to be expired in 4 weeks | Existing Key ID to be deleted immediately |
|------------|------------------------------------------|-------------------------------------------|
| MD111 | SSSSSS7ibbwTTTTIqR | - |

Cancel **Generate Key(s)**

6. Select **Download All Key(s)**, then enter the **authentication code** that was sent to the mobile phone number.

Download Keys

Protect your CME Group Account

We do not recognize your device. In order to maintain the highest level of security, please click 'Send Code' for a security code to be delivered to your device. If you are unable to receive the security code, please contact CME Group Enterprise Application and System Entitlements at +1 312 456 1560 (US), +44 20 3379 3802 (Europe), or +65 6593 5536 (Asia).

Resend Code

Security Code

*

Cancel **Download All Key(s)**

After verifying the code, the file is saved to the default browser directory.

If you did not receive the security code, select **Resend Code**.

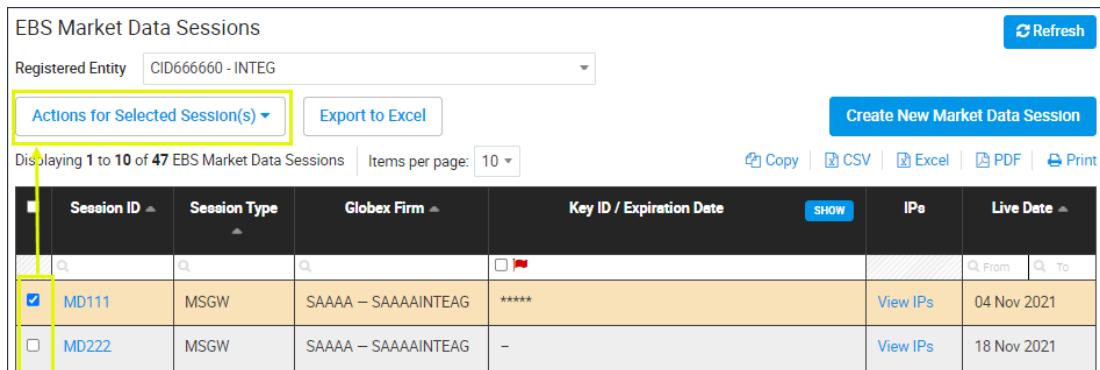
Downloading Keys for EBS Market Data Sessions

The following instructions illustrate the process to download a previously generated Secure Key ID file.

More: "Secure Key Pairs"

► **To download secure keys:**

1. From the *EBS Market Data Session* page, select the checkbox for the **Session ID** to manage.



EBS Market Data Sessions

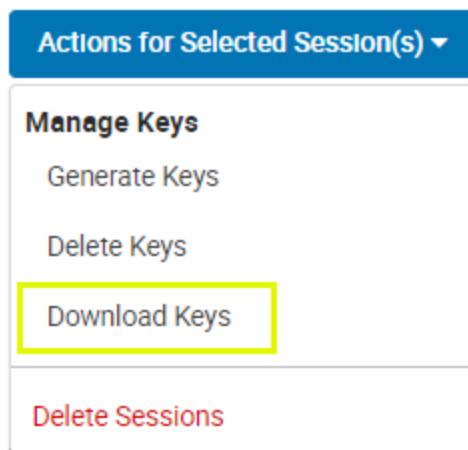
Registered Entity CID666660 - INTEG

Actions for Selected Session(s) ▾ Export to Excel Create New Market Data Session

Displaying 1 to 10 of 47 EBS Market Data Sessions | Items per page: 10

| Session ID | Session Type | Globex Firm | Key ID / Expiration Date | IPs | Live Date |
|-------------------------------------------|--------------|---------------------|--------------------------|--------------------------|-------------|
| <input checked="" type="checkbox"/> MD111 | MSGW | SAAAA – SAAAAINTEAG | ***** | View IPs | 04 Nov 2021 |
| <input type="checkbox"/> MD222 | MSGW | SAAAA – SAAAAINTEAG | - | View IPs | 18 Nov 2021 |

2. From the *Actions for Selected Session(s)* menu, select **Download Keys**.



Actions for Selected Session(s) ▾

Manage Keys

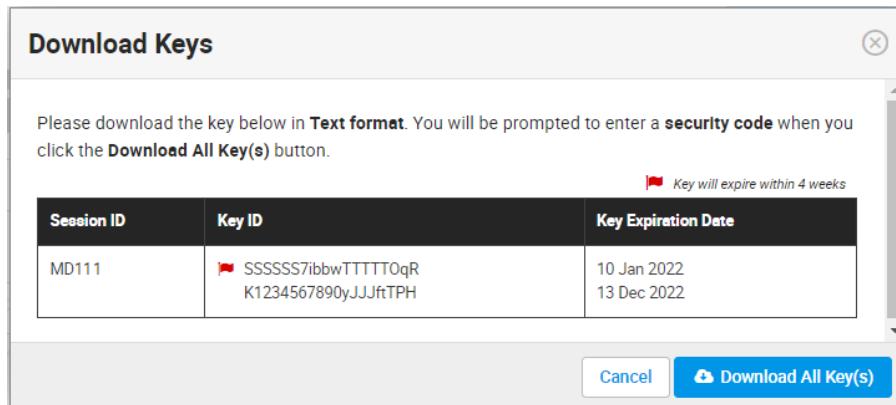
Generate Keys

Delete Keys

Download Keys

Delete Sessions

3. On the Download Keys screen that appears, select **Download All Key(s)**.



Download Keys

Please download the key below in **Text format**. You will be prompted to enter a **security code** when you click the **Download All Key(s)** button.

Key will expire within 4 weeks

| Session ID | Key ID | Key Expiration Date |
|------------|--------------------------------------------|----------------------------|
| MD111 | SSSSS7ibbwTTTTT0qR K1234567890yJJJftTPH | 10 Jan 2022 13 Dec 2022 |

Cancel [Download All Key\(s\)](#)

An authentication code is sent to the registered mobile phone number.

4. Enter the **authentication code** that was sent to your mobile phone number, then select **Download All Key(s)**.

The file is saved to the default browser directory.

Download Keys

Protect your CME Group Account

We do not recognize your device. In order to maintain the highest level of security, please click 'Send Code' for a security code to be delivered to your device. If you are unable to receive the security code, please contact CME Group Enterprise Application and System Entitlements at +1 312 456 1560 (US), +44 20 3379 3802 (Europe), or +65 6593 5536 (Asia).

Security Code
*

5. If you did not receive the security code, select **Resend Code**.

Deleting Keys for EBS Market Data Sessions

More: "Secure Key Pairs"

► **To delete secure keys:**

1. From the *EBS Market Data Session* page, select the checkbox for the **Session ID(s)** to manage.

EBS Market Data Sessions

Registered Entity CID666660 - INTEG

Displaying 1 to 10 of 47 EBS Market Data Sessions | Items per page: 10 |

Session ID ▲ Session Type ▲ Globex Firm ▲ Key ID / Expiration Date ▲ IPs ▲ Live Date ▲

| <input type="checkbox"/> | Session ID | Session Type | Globex Firm | Key ID / Expiration Date | <input type="button" value="SHOW"/> | IPs | Live Date |
|-------------------------------------|------------|--------------|--------------------|--------------------------|-----------------------------------------|-------------|-----------|
| <input checked="" type="checkbox"/> | MD111 | MSGW | SAAAA – SAAAINTEAG | ***** | <input type="button" value="View IPs"/> | 04 Nov 2021 | |
| <input type="checkbox"/> | MD222 | MSGW | SAAAA – SAAAINTEAG | - | <input type="button" value="View IPs"/> | 18 Nov 2021 | |

2. From the *Actions for Selected Session(s)* menu, select **Delete Keys**.

Actions for Selected Session(s) ▾

Manage Keys

Generate Keys

Delete Keys

Download Keys

Delete Sessions

If there is more than one key for a session, select the key(s) to be deleted.

3. Select **Delete Key(s)**.
4. On the confirmation window, select **Delete Key(s)** again.

A confirmation banner appears on the screen and an email notification is sent to the registered email address.

Personally Identifiable Information (PII)

Pursuant to the EU and UK MiFID frameworks, CME Group Cash Markets trading venue operators (BrokerTec Europe Limited and CME Amsterdam B.V.) are required to identify participant firms [Globex Firm ID (GUS)], their natural person users [Globex User Signature (GUS), including Short Code and PII data] and trading algorithms for regulatory reporting and record keeping purposes.

To be allowed to trade BrokerTec and EBS CME Cash Markets MiFID Products, ('MiFID Regulated Products'), participant firms must submit the required PII data for manual traders and individuals who are operating algorithm trading systems.

Failure to submit PII data will result in GUS traders not being allowed to trade. The PII data is linked to the short code associated with a Globex User Signature (GUS) ID (or authorised trader).

The Request Center (ESS) Personally Identifiable Information (PII) function includes the following functions for an authorized PII manager to submit required information for record-keeping and reporting obligations.

- [**Assigning PII Manager Entitlements**](#) - Performed by an authorized entity Admin Manager
- [**PII Summary Function**](#) - Select a Legal Entity Identifier (LEI) to view and provide required identification information for a GUS/Trader.
- [**File Upload**](#) - Upload up to 500 GUS/Trader users' PII information with a formatted Comma Separated Value (CSV) file.
- [**My Requests \(ESS\) - Request Status**](#): View the processing status of previous submissions.

Prior to using the PII function ensure the following:

- a. Entity Admin Manager and PII manager have reviewed the [CME Group PII Data Submission User Guide](#), which outlines regulatory requirements and reporting obligations.
Refer to the below referenced user guide sections:
 - PII data required (section 3), lists required data and accepted national client identifiers by country.
 - An overview of the data [submission](#) (section 4.3.1) and [upload](#) process (section 4.3.2)
 - Data handling and participant's rights (section 5)
- b. A Globex Firm ID (GFID) and associated Globex User Signature (GUS, section 4.2) is created / available, assigned at least one ([BrokerTec](#) / [EBS](#)) MiFID regulated product and the required *Short Code*.
- c. Prior to using this function the Admin Manager must [assign](#) the *Request Center - PII Manager* entitlement (section 4.1.1) to authorized PII Manager user(s).
- d. The PII manager will [enter](#) (individual PII) or [upload](#) (multiple PII) and ID information for the person associated with the GUS.

Assigning PII Manager Entitlement

The following instructions describe the process for an *Admin Manager* to access the User Administration function to assign the PII manager role to the user that will submit PII information. Prior to performing this process ensure the PII manager has a [CME Group Login](#) with multi-factor authentication.

► **To assign the PII Manager entitlement:**

1. From the CME Customer Center menu, select **Administration > User Administration**.



2. From the User Administration page, select **Add Entitlement**.

CME Group
How the world advances

Set up, manage, and adjust user entitlements at your firm all on your own.

Search Entitlements

Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

Entity User ID

Application Last Name

Profile First Name

Status Email

OR

Add New Entitlement

Go directly to add a new entitlement for a new or existing user at your firm. This function allows you to select a specific user and add entitlements to their account.

Add Entitlement

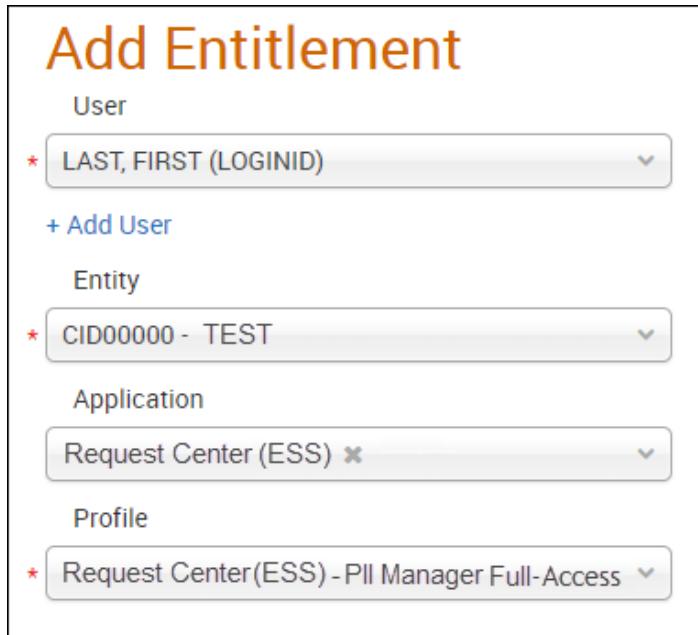
Add Application Admin

Entitle new or existing users at your firm to manage other users for a specific application.

Add Application Admin

Search **Clear**

3. On the **Add Entitlement** page, specify the entitlements:



Add Entitlement

User

* LAST, FIRST (LOGINID)

+ Add User

Entity

* CID00000 - TEST

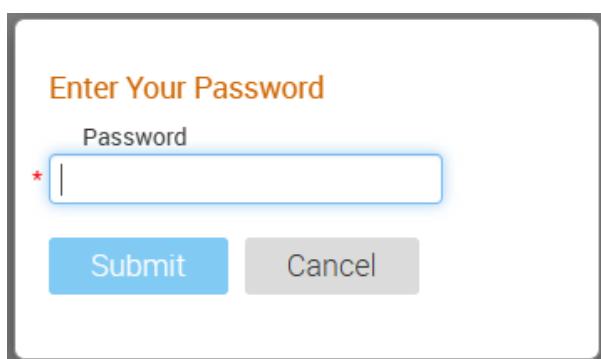
Application

Request Center (ESS) ✖

Profile

* Request Center (ESS) - PII Manager Full-Access

- a. Select the **User** (Name or CME Group Login)
 - b. **Entity**: Select the registered entity (automatically selected for users / administrators with permissions for only one entity).
 - c. **Application**: Request Center (ESS)
 - d. **Profile**: Request Center (ESS) - PII Manager Full-Access
4. After specifying entitlement and application details, select **Add Entitlement** and confirm by entering your CME Group Login **password**, then click **Submit**.



Enter Your Password

Password

* |

Submit Cancel

The user profile page and confirmation appears and an email is sent to the Admin Manager(s) and added user(s).

Entitlement 

Just processed:
test, user (User1@test.com) 

User 

* Enter User ID 

[+ Add User](#)

[+ Add New Entitlement](#)

Submit Entitlements **Cancel**

PII Data Submission

The following instructions illustrate the process used by an authorized PII Manager to access the *PII Summary* function to submit PII data.

Two methods are available:

- Manual (individual) submissions - Provide required identification information for a GUS/Trader.
- File (csv) upload - Upload up to 500 GUS/Trader users' PII information.

Contents

- [Submit Individual PII Information](#)
- [File Upload](#)
- [View Submitted Request Status](#)

  View a video that introduces and demonstrates the [PII process](#):

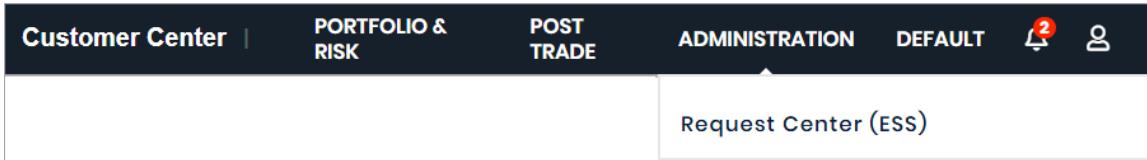
- Impacted markets
- How to assign a short code to a Globex User Signature (GUS)
- How to add or delete PII information for GUS/Traders

View Summary / Submit Individual PII Information

The following instructions describe the process to access PII Summary to submit required information for an individual GUS / Trader.

 **To submit PII information for an individual:**

1. From the CME Customer Center - **Administration** menu, select **Request Center (ESS)**.



The screenshot shows the CME Customer Center navigation bar. The 'Request Center (ESS)' menu item is highlighted in blue, indicating it is the active or selected menu. Other menu items visible include 'Customer Center', 'PORTFOLIO & RISK', 'POST TRADE', 'ADMINISTRATION', 'DEFAULT', and a user icon with a '2' notification.

2. From the Request Center menu, select **PII > Summary**.



3. (if applicable) Select **Legal Entity Identifier (LEI)** from the drop-down menu.

This option is automatically selected for users with access to one entity.

My Requests (ESS) Future & Options Requests BrokerTec Requests EBS Requests Preferences **PII**

PII Summary

Please ensure all of the following:

- The file format is CSV with the header as specified in the template.
- One LEI per file and the LEI you select in this page matches with the LEI in the file.
- Maximum 500 rows per file.

LEI

1234567890ABCDEFGHIJK - Test Firm ▼

-- Select --

1234567890ABCDEFGHIJK - Test Firm

QRSTUVWXYZ01234567890 - TRADE BANK INC

DEFGHIJKLMNOPQR89101 - CF FUTURES

For the selected LEI, the PII Summary page lists Short Codes associated with GUS / Traders.

Available actions:

PII Summary

This page enables you to view the PII record status at each GUS/Trader and add or delete the individual PII record. For multiple PII records maintenance, please go to File Upload page.

- For BTEU CLOB and EBS GUS changes please contact your Front Office managers.
- For BTEC Quote Trader changes, please contact your CME account manager.

Legal Entity Identifier(LEI)
1234567890ABCDEFGHIJK - Test

Filters ▼ HIDE

Clear All

Short Code
GUS
GFID
Additional Filters
-- Select --

Refresh Export

LEI: 1234567890ABCDEFGHIJK - Test Firm

| Short Code | GUS/Trader | PII Status | Country Of Branch | First Name | Last Name | Nationality | Id Type | Id Value | Id Status | Actions |
|------------|----------------------|------------|-------------------|------------|-----------|-------------|---------|----------|-----------|---------|
| 1112233 | Unassigned | GB | User | One | | | | | | |
| 445566 | view | Active | GB | User | Two | | | | | |

Rows per page : 10 ▾ 1-2 of 2

« < Prev 1 of 1 Next > »

Note: If necessary, use the filters to search for a particular user: by short code, GUS, GFID or GUS with/without PII data or sort data by selecting column headings (**PII Status**  **Country Of Branch** ).

Filters [HIDE](#)

[Clear All](#)

Short Code

GUS

GFID

Additional Filters

Apply

i. **View GUS/Trader:** To [View](#) GUS PII status and GUS information, select the blue hyperlinked **GUS/Trader**.

Review and validate GUS user information and short code before submitting the required ID set (see next).



Example: The first and last name on submitted IDs must exactly match the GUS/Trader's first and last name.

PII data records are linked to the *Short Code*, associated with the GUS / Trader for the selected Legal Entity Identifier (LEI).

LegalName: 1908MELCUVOTLJABOX92 - ADM INVESTOR SERVICES INTERNATIONAL LTD. Short Code: 1112346

| Market | GFID | GUS / Trader ID | First Name | Last Name |
|--------|-------|-----------------|------------|-----------|
| BTEU | AAFHE | 988 | Jyoti | Singhal |

[Close](#)

ii. **Add PII Details (and ID Set ):** View the PII details screen then add the following:

Note: For a list of countries/country code and priority identifiers, refer to *Section 3 - National client identifiers and priority levels* of the [CME Group PII Data Submission User Guide](#).

- Select the **Country of the Branch** from the drop-down menu.

PII Details (X)

| | | |
|-----------------------------------------------------|----------------------|---------------------------|
| Country of the Branch | First Name | Last Name |
| Select Country ▼ | <input type="text"/> | <input type="text"/> |
| ID Set | | ADD another ID set |
| | | |
| Cancel | | Submit |

-**First Name:** Must exactly match the first name of the GUS user.

-**Last Name:** Must exactly match the last name of the GUS user.

- Select **Add ID Set** (+), then enter required identification details:

Note: To review a list of the acceptable **ID Types** for the selected country, refer to [Section 3.1 - National client identifiers and priority levels](#).

PII Details (X)

| | | |
|-------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------|
| Country of the Branch | First Name | Last Name |
| GB | User | One |
| ID Set | | Add another ID set |
| Nationality | ID Type | ID Value |
| AD ▼ | CCPT ▼ | <input type="text"/> (X) |
| Please refer to the PII User Guide for further details. | | |
| Cancel | | Submit |

-Select the **Nationality** from the drop-down menu.

-**ID Type:** Based the selected Nationality, select from acceptable **ID Types** in the drop-down menu.

-**ID Value:** Enter the national ID value of the highest priority identifier.

- iii. **Delete** (X): Upon selecting, a confirmation dialog will appear.

Confirm deletion, by selecting **Submit**.

After deletion, trading MiFID products for the GUS will be disabled.

For regulatory obligations for deleted data, refer to section [4.6 Request the deletion of PII data](#). and section [5 Data handling and Participant's rights](#).

Confirmation

You are sure you want to delete?

Please note: You are about to delete the PII, which is not currently used by any Trader/GUS. Please click Submit if you are happy to proceed the deletion.

Cancel **Submit**

File Upload

The below instructions describe the process to select a LEI and upload a Comma Separated Value (CSV) file with PII and national ID information for up to 500 users. Using the file upload process the PII manager can **add** or **delete** records.

► **To upload PII details:**

1. From the Request Center (ESS) menu, select **PII**, then select **File Upload**.



2. (if applicable) From the **LEI** drop-down menu, select an entity to manage.

This is automatically selected for users with access to one entity.

Using the file upload function, PII details can be added / deleted for one LEI at a time.

My Requests (ESS) Future & Options Requests BrokerTec Requests EBS Requests Preferences PII

PII File Upload

Please ensure all of the following:

- The file format is CSV with the header as specified in the template.
- One LEI per file and the LEI you select in this page matches with the LEI in the file.
- Maximum 500 rows per file.

LEI

ABCEFGHIJKLMNOP1234 - CLEARCO LLC
-- Select --
ABCEFGHIJKLMNOP1234 - CLEARCO LLC
QRSTUVWXYZ01234567890 - TRADE BANK INC
DEFGHIJKLMNOPQR89101 - CF FUTURES

Drag and drop a csv file here or click to browse

BLANK TEMPLATE

Please refer to the [PII User Guide](#) for further details.

Cancel

3. Select a **Blank Template** then complete with required information *or* use a previously filled CSV file that matches the below referenced data requirements:

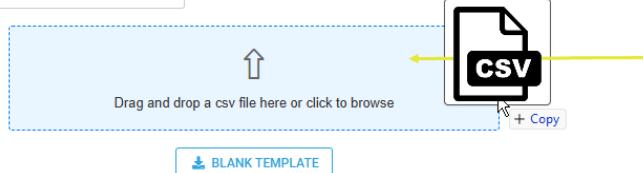
PII File Upload

Please ensure all of the following:

- The file format is CSV with the header as specified in the template.
- One LEI per file and the LEI you select in this page matches with the LEI in the file.
- Maximum 500 rows per file.

LEI

ABCDEFHJKLMNOP1234 - CLEARCO LLC



Please refer to the [PII User Guide](#) for further details.

Cancel

The following required data is entered on the csv file:

For guidance on preparing data for submission, refer to the [CME Group PII Data Submission User Guide - section 3 - PII data required](#), which outlines fields, format and national client identifier (ID type and value).

- Do not delete the column heading values in row 1
- Participant's LEI (only one LEI is allowed per file)
- Short code
- First Name (must match the First Name of the GUS, including capitalization)
- Last Name (must match the Last Name of the GUS, including capitalization)
- Country of Branch - ISO 3166-1 alpha-2 (two-letter code)
- Nationality - ISO 3166-1 alpha-2 (two-letter code)
- ID Type - in accordance with the allowed types and priority identifiers for the selected Nationality
- ID Value - corresponds to the ID Type
- ADD or DELETE

Only ADD or DELETE is permitted. To correct a record, Delete, then ADD the user information. Deleting records will disable the GUS/Trader's ability to trade MiFID products.

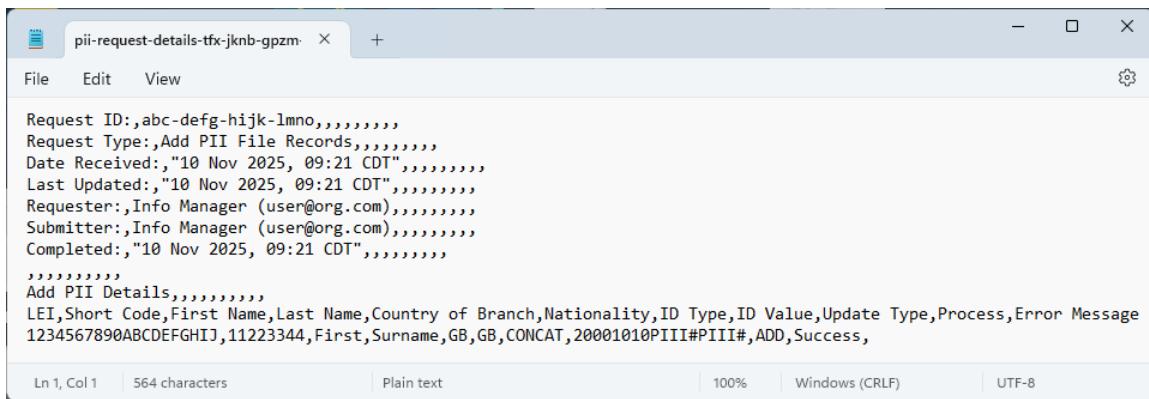
For regulatory obligations for deleted data, refer to section [4.6 Request the deletion of PII data](#), and section [5 Data handling and Participant's rights](#).

The following examples illustrate completed csv information; in worksheet and comma separated value file.

- CSV worksheet view:

| | A | B | C | D | E | F | G | H | I | J | K |
|----|----------------------|-----------------------------|------------|-----------|-------------------|-------------|---------|------------------|-------------|---------|---------------|
| 1 | Request ID: | abc-defg-hijk-lmno | | | | | | | | | |
| 2 | Request Type: | Add PII File Records | | | | | | | | | |
| 3 | Date Received: | 10 Nov 2025, 09:21 CDT | | | | | | | | | |
| 4 | Last Updated: | 10 Nov 2025, 09:21 CDT | | | | | | | | | |
| 5 | Requester: | Info Manager (user@org.com) | | | | | | | | | |
| 6 | Submitter: | Info Manager (user@org.com) | | | | | | | | | |
| 7 | Completed: | 10 Nov 2025, 09:21 CDT | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | Add PII Details | | | | | | | | | | |
| 10 | LEI | Short Code | First Name | Last Name | Country of Branch | Nationality | ID Type | ID Value | Update Type | Process | Error Message |
| 11 | 1234567890ABCDEFGHIJ | 11223344 | First | Surname | GB | GB | CONCAT | 20001010PII#PII# | ADD | Success | |

- CSV file view:



```

Request ID:,abc-defg-hijk-lmno,,,,,,,,,
Request Type:,Add PII File Records,,,,,,,,,
Date Received:,"10 Nov 2025, 09:21 CDT",,,,,,,,
Last Updated:,"10 Nov 2025, 09:21 CDT",,,,,,,,
Requester:,Info Manager (user@org.com),,,,,,,,
Submitter:,Info Manager (user@org.com),,,,,,,,
Completed:,"10 Nov 2025, 09:21 CDT",,,,,,,,
,,,,,,,,,
Add PII Details,,,,,,,,,
LEI,Short Code,First Name,Last Name,Country of Branch,Nationality,ID Type, ID Value,Update Type,Process,Error Message
1234567890ABCDEFHIJ,11223344,First,Surname,GB,GB,CONCAT,20001010PIII#PIII#,ADD,Success,

```

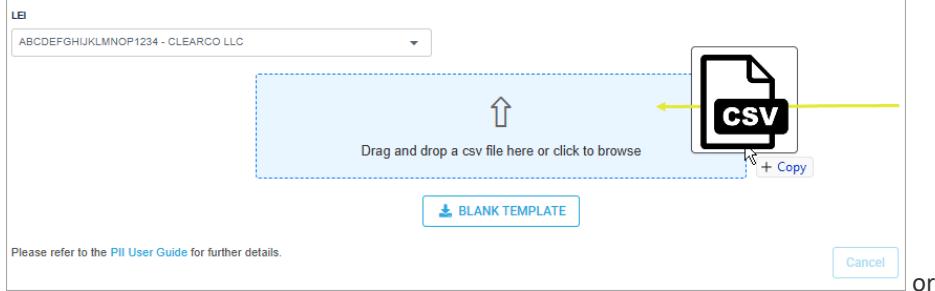
Ln 1, Col 1 | 564 characters | Plain text | 100% | Windows (CRLF) | UTF-8

4. Drag and drop or browse to the pre-completed CSV file.

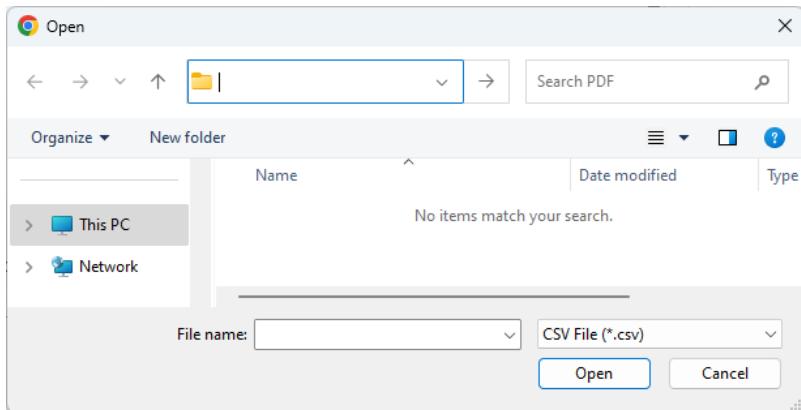
PII File Upload

Please ensure all of the following:

- The file format is CSV with the header as specified in the template.
- One LEI per file and the LEI you select in this page matches with the LEI in the file.
- Maximum 500 rows per file.



or



The screen refreshes to show pending uploaded information.

5. Review the **Process** status, resolve *Error Messages* if necessary, then select **Submit**.

 For error messages and proposed resolutions, refer to the [CME Group PII Data Submission User Guide - section 4.4 - Error messages](#).

PII File Upload Results

Please note :This page is to add or delete PII records. Please upload completed csv file. Please check the results in PII summary page.

[Export](#)

| LEI | Short Code | First Name | Last Name | Country of Branch | Nationality | ID Type | ID Value | Update Type | Process | Error Message |
|---------------------|------------|------------|-----------|-------------------|-------------|---------|---------------------|-------------|-----------------|--------------------------------------------------------------------|
| ABCDEFGHIJKLMNP1234 | 2398656 | | | GB | GR | CONCAT | 20000310DEBARDEY## | ADD | Failed | The following required field(s) are missing: First Name, Last Name |
| ABCDEFGHIJKLMNP1234 | 9876543 | First2 | Last2 | GB | GR | CONCAT | 19000101FIRSLAST2## | ADD | In-verification | |

Rows per page : 1-2 of 2

[«](#) [« Prev](#) [1 of 1](#) [Next »](#) [»»](#)

Please refer to the [PII User Guide](#) for further details.

[Cancel](#)

[Submit](#)

- In-verification:** Uploaded details have passed initial data validation.

Selecting **Submit** will send for CME Group review.

- Failed:** Submitted information has missing or incorrect data. Submission can continue with errors but the record(s) will not be included.

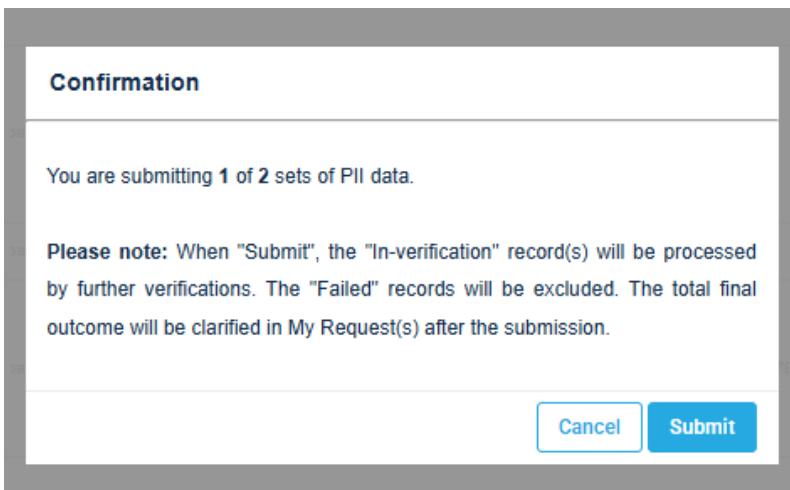
To resolve errors, **cancel** the upload, then update the CSV file.

After submission, go to [My Requests](#) to view final validation results.

- On the confirmation message that appears, review the details, then select **Submit**.

In this example confirmation message, one submitted record passed initial data validation and will be submitted for review.

The failed record will be excluded from the submission.



View Submitted Request Status

PII and file upload submissions are available from [My Requests](#) (ESS) - Request Status tab. Details including review progress is indicated in the *Status* column, which indicates successful or failed data validation:

- Completed:** Request has been completed. To view details, select the **ID**.
- In-Progress:** Data validation is not complete, refresh the page or view status later.

To find a particular request, use the **Filter** fields.



To view request details (PII Details, submission date / time / requestor), select the [blue hyperlinked ID](#).

| ID | Requester | Request Type | Market | Details | Administration Group (Registered Entity) | Status | Requested Date | Completed Date |
|--------------------|-----------|--------------------|--------|--------------------------------------------------|------------------------------------------|-----------|------------------------|------------------------|
| abc-defg-hijk-lmno | Firm User | Update PII Records | | LEI: ABCDEFGHIJKLMNOP12345 ShortCode: 0000111 | CLEARCO | Completed | 27 Oct 2025, 11:11 CDT | 27 Oct 2025, 11:11 CDT |

After clicking the ID, additional PII details are available, including the ability to *export* as a spreadsheet. The examples below illustrate *Successful* and *Failed* status.

- **Success** - PII data was submitted successfully; GUS/Trader and ID information correctly matches.

| ID | Requester | Submitter | Request Type |
|--------------------|-----------------------------|-----------------------------|--------------------|
| abc-defg-hijk-lmno | Info Manager (user@org.com) | Info Manager (user@org.com) | Update PII Records |

| LEI | Short Code | First Name | Last Name | Country of Branch | Nationality | ID Type | ID Value | Process | Error Message |
|-------------|------------|------------|-----------|-------------------|-------------|---------|----------|---------|---------------|
| ABCD...1234 | 11223344 | PILL | PILL | GB | GB | CCPT | asdf | Success | - |

- **Failed** - The submitted information failed validation. Refer to the [error messages](#) for additional actions.

| LEI | Short Code | First Name | Last Name | Country of Branch | Nationality | ID Type | ID Value | Process | Error Message |
|----------------------|------------|------------|-----------|-------------------|-------------|---------|----------------|---------|-------------------------------------------------------------|
| ABCDEFGHIJ1234567890 | 111222333 | Joe | Trader | GB | GR | CCPT | 19850101Trader | Failed | The short code at the LEI belongs to a different PII person |

User / Firm Administration

User Administration functions enable authorized front, middle, back office administrators to manage user access to applications and services.

Permissions assignment begins with the *Entity Officer* (for Futures & Options) and *Designated Person* (for BrokerTec) who has direct contact with CME Group's Global Account Management to request services. Both roles can be performed by the same individual.

Self-Service Application Roles

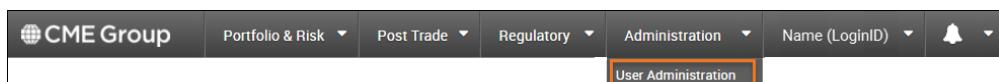
The entity officer / designated administrator will receive entity-wide administration privileges for self-service applications and is responsible for assigning front / middle / back office application permissions to themselves and additional users, including:

- **Admin Manager:** The Entity Officer entitles at least two Front / Middle / Back Office **Admin Managers** to manage user application permissions.
- **Application or Service Administrator:** The Admin Manager or Entity Officer specifies assigns an [Application or Service Administrator](#) to manage application user access and assign permissions to use, submit and approve self-service requests submitted by entity users.
- **Application Users:** Admin Managers and / or Application Administrators assign [user entitlements](#) for users to access self-service applications to view and [manage](#) entity details.
- [FirmSoft User Administration](#): Create and manage FirmSoft application user access.
- **User Administration Application Roles:**
 - [Futures & Options](#)
 - [BrokerTec](#)
 - [EBS](#)

Accessing User Administration

► To access User Administration:

1. From the Customer Center menu, select **Administration > User Administration**.



2. On the *Search Entitlements* page, the following options are available:

Search Entitlements

Set up, manage, and adjust user entitlements at your firm all on your own.

Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

| | |
|-------------|----------------------|
| Entity | User ID |
| All | <input type="text"/> |
| Application | Last Name |
| All | <input type="text"/> |
| Profile | First Name |
| All | <input type="text"/> |
| Status | Email |
| All | <input type="text"/> |

Add New Entitlement

Go directly to add a new entitlement for a new or existing user at your firm. This function allows you to select a specific user and add entitlements to their account.

Add Application Admin

Entitle new or existing users at your firm to manage other users for a specific application.

- Search Entitlements:** Search existing users, to view or manage entitlements.

Prior to adding users or entitlements, perform a search and verify currently assigned firm and user entitlements.

Search Entitlements

Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

| | |
|----------------------------------------------------------------------------|------------|
| Entity | User ID |
| CID00002 - CLEARING1 | |
| Application | Last Name |
| All | |
| Profile | First Name |
| All | |
| Status | Email |
| All | |
| <input type="button" value="Search"/> <input type="button" value="Clear"/> | |

Fields are optional and partially entered criteria return all matching results.

- Entity** - The clearing firm, designated on the CME Customer Center Self Service Agreement, at which the user will be entitled.
- Application** - Self-service user administration applications.
- Profile** - Based on assigned entitlements for all available applications, firm-wide.
- Status**
- User** - CME Group Login User ID, Name, Email address.

Search Entitlements

Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

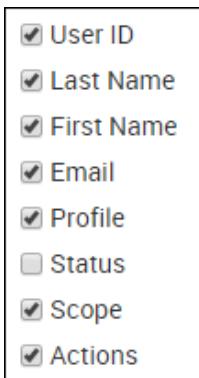
| | |
|----------------------------------------------------------------------------------------------------------------|------------|
| Entity | User ID |
| CID00022 - E-MINI | |
| Application | Last Name |
| FirmSoft Administration | |
| Profile | First Name |
| All | |
| Status | Email |
| All | |
| <input type="button" value="Search"/> <input type="button" value="Clear"/> <input type="button" value="Back"/> | |

Show: 10 entries per page

| User ID | Last Name | First Name | Email | Profile | Status | Scope | Actions |
|------------|-----------|------------|--------------------|--------------------------------------------|------------------|-------------------------------------|---------|
| USERWATSON | WATSON | USER | watson@company.com | FirmSoft Administration - Order Management | Active / Pending | <input type="checkbox"/> View scope | |
| USERBAKER | BAKER | USER | baker@company.com | FirmSoft Administration - Order Management | Active / Pending | <input type="checkbox"/> View scope | |
| USEREVANS | EVANS | USER | evans@company.com | FirmSoft Administration - Order Management | Active | <input type="checkbox"/> View scope | |
| USERCHEN | CHEN | USER | chen@company.com | FirmSoft Administration - Order Management | Active | <input type="checkbox"/> View scope | |

Column / View Settings

- **Clear** - To clear results and perform a new search.
- **Sort** - Sort the selected column in ascending / descending order.
- **Column Settings** (gear icon) - Show / hide columns, by selecting / deselecting checkboxes.



Expand Scope (grid icon): To view entitlement details.

| User ID | Last Name | First Name | Email | Profile | Status | Scope | Actions |
|------------|-----------|------------|--------------------|--------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| USERWATSON | WATSON | USER | watson@company.com | FirmSoft Administration - Order Management | Active | <input type="checkbox"/> Hide scope Entity: E-MINI Execution Firm (GFID): N/A Privileges: Order Inquiry + Cancel Session Restrictions: 000 ACTIVE | |

- b. [Add Entitlement](#): Add application entitlements for one or more users.

[Back to Main](#)

USERWATSON

WATSON, USER
watson@company.com
+1 1234567890

[Add Entitlement](#)
[Copy Entitlements](#)

Show 10 entries per page [Revoke All](#)

| Profile | Status | Scope | Actions |
|--------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|
| FirmSoft Administration - Order Management | Active | <input type="checkbox"/> Hide scope Entity: E-MINI Execution Firm (GFID): N/A Privileges: Order Inquiry + Cancel Session Restrictions: 000 | |

Showing 1 to 1 of 1

- c. [Additional User Entitlement Functions](#)

EBS Application Roles

The following list illustrates Application entitlements that can be assigned to CME Globex - EBS users via self-service User Administration functions.

| Application | Profile / Entitlement | Front Office | Middle Office | Back Office |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------|---------------|-------------|
| CME Customer Center - User Administration | <ul style="list-style-type: none"> • Admin Manager • Application Administrator | x | n/a | n/a |

| | | | | |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| Firm Administrator Dashboard - Self Match Prevention | <ul style="list-style-type: none"> • Firm Admin Dashboard - Update - all <ul style="list-style-type: none"> • Request Self-Match Prevention IDs • View iLink session statistics • Firm Admin Dashboard - Update - partial <ul style="list-style-type: none"> • Request Self-Match Prevention IDs • View iLink session statistics | x | n/a | n/a |
| FirmSoft | <ul style="list-style-type: none"> • Order Management – Order Inquiry + Cancel: View detailed order information including fill information and order cancel / replace history. • Privileged Trader: Users with the EBS GFE privileged trader role can cancel an individual order, multiple orders, all working orders and mass quotes. Access can be restricted by firm, account and / or Order Entry Session. | x | n/a | n/a |
| Risk Management Tools | <ul style="list-style-type: none"> • Risk Management Tools - Full Access • Risk Management Tools - Partial Access | n/a | x | n/a |
| Globex Firm ID | <ul style="list-style-type: none"> • Request Center (ESS) – GFID Full Access • Request Center (ESS) – GFID Read Only | x | n/a | n/a |
| Globex User Signature | <ul style="list-style-type: none"> • Request Center (ESS)- GUS Full Access • Request Center (ESS) – GUS Read Only | x | n/a | n/a |
| Algorithmic Trading | <ul style="list-style-type: none"> • Request Center (ESS) – EBS ALGO Full Access • Request Center (ESS) – EBS ALGO Read Only | x | n/a | n/a |
| Order Entry Sessions | <ul style="list-style-type: none"> • Request Center (ESS) – EBS Order Entry Full Access • Request Center (ESS) – EBS Order Entry Read Only Access | x | n/a | n/a |
| Drop Copy Groups | <ul style="list-style-type: none"> • Request Center (ESS) – EBS Drop Copy Full Access • Request Center (ESS) – EBS Drop Copy Read Only | x | n/a | n/a |
| Market Data sessions | <ul style="list-style-type: none"> • Request Center (ESS) – EBS Market Data Full Access • Request Center (ESS) – EBS Market Data Read Only Access | x | n/a | n/a |
| Personally Identifiable Information | <ul style="list-style-type: none"> • Request Center (ESS) - PII Manager Full-Access | x | n/a | n/a |

BrokerTec Application Roles

The following list illustrates Application entitlements that can be assigned to CME Globex - BrokerTec users via self-service User Administration functions.

| Application | Profile / Entitlement | Front Office | Middle Office | Back Office |
|----------------------------|--------------------------------------------------------------------------------------------------------|--------------|---------------|-------------|
| CME Customer Center - User | <ul style="list-style-type: none"> • Admin Manager • Application Administrator | x | n/a | n/a |

| | | | | |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| Administration | | | | |
| Firm Administrator Dashboard - Self Match Prevention | <ul style="list-style-type: none"> • Firm Admin Dashboard - Update - all <ul style="list-style-type: none"> • Request Self-Match Prevention IDs • View iLink session statistics • Firm Admin Dashboard - Update - partial <ul style="list-style-type: none"> • Request Self-Match Prevention IDs • View iLink session statistics | x | n/a | n/a |
| FirmSoft | <ul style="list-style-type: none"> • Order Management – Order Inquiry + Cancel: View detailed order information including fill information and order cancel / replace history. • Privileged Trader: Users with the BrokerTec GFE privileged trader role can cancel an individual order, multiple orders, all working orders and mass quotes. Access can be restricted by firm, account and / or Order Entry Session. | x | n/a | n/a |
| Risk Management Tools | <ul style="list-style-type: none"> • Risk Management Tools - Full Access • Risk Management Tools - Partial Access | n/a | x | n/a |
| Globex Firm ID | <ul style="list-style-type: none"> • Request Center (ESS) – GFID Full Access • Request Center (ESS) – GFID Read Only | x | n/a | n/a |
| Globex User Signature | <ul style="list-style-type: none"> • Request Center (ESS) – GUS Full Access • Request Center (ESS) – GUS Read Only | x | n/a | n/a |
| Algorithmic Trading | <ul style="list-style-type: none"> • Request Center (ESS) – BTEC ALGO Full Access • Request Center (ESS) – BTEC ALGO Read Only | x | n/a | n/a |
| Order Entry Sessions | <ul style="list-style-type: none"> • Request Center (ESS) – BrokerTec Order Entry Full Access • Request Center (ESS) – BrokerTec Order Entry Read Only Access | x | n/a | n/a |
| Drop Copy Groups | <ul style="list-style-type: none"> • Request Center (ESS) – BrokerTec Drop Copy Full Access • Request Center (ESS) – BrokerTec Drop Copy Read Only | x | n/a | n/a |
| Personally Identifiable Information | <ul style="list-style-type: none"> • Request Center (ESS) – BrokerTec Market Data Full Access • Request Center (ESS) – BrokerTec Market Data Read Only Access | x | n/a | n/a |
| Personally Identifiable Information | <ul style="list-style-type: none"> • Request Center (ESS) - PII Manager Full-Access | x | n/a | n/a |

Futures& Options Application Roles

The following list illustrates Application entitlements that can be assigned to CME Globex - Futures & Options users.

| Application | Profile / Entitlement | Description | Front Office | Middle Office | Back Office |
|--------------|-----------------------|-------------------------------------------------------------------------------------------------|--------------|---------------|-------------|
| CME Customer | Admin Manager | <ul style="list-style-type: none"> • Manages the Registered Entity's Application | x | x | x |

CME Customer Center

| | | | | | |
|------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| | Center - User Administration | <p>Admins and users.</p> <ul style="list-style-type: none"> Approves self-service requests that require admin manager authorization. Removes access for end-users that no longer require access. <p>Note: For registered entities, at least two Admin Managers are required. To access applications admin managers must also assign application entitlements to themselves.</p> | | | |
| | Application Administrator | <ul style="list-style-type: none"> Manages user access requests. View entity, user and contact information. <p>Note: To access applications admins must also assign application entitlements to themselves.</p> | | | |
| Asset Management Firm | Asset Management Firm - Update | <ul style="list-style-type: none"> View asset / currency summary, details and transactions status. Enter and manage asset pledges, amendments, withdrawals and view transactions status. | x | n/a | x |
| | Asset Management Firm - Read Only | View asset and currency summary and detail, including transaction status. | | | |
| Settlement Firm | Settlement Firm - Read Only | View asset / currency summary and detail, including asset transactions status, currency requirements and settlement variation. | n/a | n/a | n/a |
| | Scope | Clearing Organization, Product Exchange and Clearing Firm data that the user can access | | | |
| DeliveriesPlus | Deliveries - Update | Provides clearing firm users with inventory and delivery management capability for CME Group contracts. | n/a | n/a | x |
| | Deliveries - Read Only | Provides clearing firm users the ability to inquire and view inventory and delivery information of their CME Group contracts. | | | |
| | Scope | Clearing Organization, Product Exchange and Clearing Member Firm and Trading Firm that the user can access Selecting ALL enables user access to all trading firms that are available to the selected Entity, Clearing Organization, Exchange and Clearing Member Firm. | | | |
| Firm Administrator Dashboard | Firm Administrator Dashboard - Update - All | <ul style="list-style-type: none"> View specialized reports in the Firm Administrator Dashboard (FADB), which contains information for all Executing firms cleared, including: clearing mapping, iLink session IDs, Firm Registered Contacts, FirmSoft Users & Entitlements, Cancel On Disconnect, Firm Admin Dashboard Users, Messaging Efficiency Contacts and GCC Outbound | x | n/a | x |

| | | | | | |
|-----------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| | | <p>Contacts.</p> <ul style="list-style-type: none"> • View iLink session passwords in the Firm Administrator Dashboard (FADB). • Enable / Disable Cancel on Disconnect (COD) functionality. • Add, modify, and delete Clearing and Executing Firm Messaging Efficiency Program (MEP) contacts. • View messaging metrics for CME Globex Messaging Efficiency Program. • Submit CME Globex Messaging Efficiency Program Request for Waivers (RFW). • Request Self-Match Prevention IDs. • View iLink session stats. | | | |
| | <p>Firm Administrator Dashboard - Update - Partial</p> <p>Firm Administrator Dashboard - View - SOx Report</p> | <ul style="list-style-type: none"> • Enable / Disable Cancel on Disconnect (COD) functionality. • View messaging metrics for CME Globex Messaging Efficiency Program. • Submit CME Globex Messaging Efficiency Program Request for Waivers (RFW). • Request Self-Match Prevention IDs. • View iLink session stats. • View iLink Session statistics. | | | |
| FirmSoft | <p>FirmSoft - Order Inquiry and Cancel</p> <p>FirmSoft - Order Inquiry</p> <p>Scope</p> | <p>Users can view orders, order status and cancel an individual order, group of orders, working orders and mass quotes.</p> <p>Users can view orders and order status, fill / aggregate fill details.</p> <p>In the Privilege field, select the entitlement to assign to the user(s). Execution Firm (GFID), Privileges, Account Restrictions, Operator ID Restrictions, Session Restrictions that the user can view / manage; no entry (blank) entitles the user to access all available data.</p> | x | n/a | n/a |
| Risk Management Tools | <p>Risk Management Tools - Full Access</p> <p>Risk Management Tools - Partial Access</p> | <p>Clearing Member Firm or registered entity user that can view and manage CME Group Risk Management Tools functions: CME Globex Credit Controls, Access Manager, Kill Switch, Risk Management Interface.</p> <p>Executing Firm Risk Administrators, at non-clearing member firms that can access and operate CME Group Risk Management Tools functions: Kill Switch.</p> | n/a | x | n/a |

| | | | | | |
|----------------------------|-------------------------------|----------------------------------------------------------------------------------------|---|-----|-----|
| Drop Copy Groups | Drop Copy Group - Full Access | Create and manage Drop Copy requests. | x | n/a | n/a |
| | Drop Copy Group - Read Only | View Drop Copy group details. | | | |
| Globex Firm IDs | Globex Firm IDs - Full Access | Create and manage GFID requests. | x | n/a | n/a |
| | Globex Firm IDs - Read Only | View GFID requests at the specified entity / firm. | | | |
| iLink Order Entry Sessions | iLink Sessions - Full Access | Create and manage iLink Order Entry sessions. | x | n/a | n/a |
| | iLink Sessions - Read Only | View iLink Order Entry sessions. | | | |
| Operator IDs | Operator ID Full Access | Register new Operator IDs, create ATS teams and manage team members. | x | n/a | x |
| | Operator ID Permissions | Entitle execution firms to view Operator IDs, associated with their Registered Entity. | | | |
| | Operator ID View | View Operator ID Operator ID details. | | | |

Adding Application Administrator / Admin Manager

The CME Customer Center includes a self-service capability for Admin Managers / Application Admins, at Registered Entities, to create and manage CME Customer Center application user access, via the following roles:

- **Admin Manager:** Authorized, by the Entity Officer, as the person responsible for managing the Registered Entity's Application Admins and users of applications and services. AM(s) have authority to act as the approver of Self-Service requests that require the entity's authorization. AM(s) are assigned access at the highest entity level and sub-entities (e.g. Globex Firm IDs) related to the Registered Entity. AM(s) are granted access to applications and service requests depending on the type of entity they are representing (Clearing Firm vs non-Clearing Firm) and whether they are responsible for Front, Middle and/or Back Office.

AM(s) must exercise caution when assigning Application Admins as these resources will have privileged access and the ability to grant access to end users for the applications that they are assigned. Access must be removed for end-users that no longer require access.

CME Group requires firms designate at least two Admin Managers, which are specified on the CME Group Customer Center Self-Service Agreement. To access tools, services and entitle other users, Admin Managers must initially add the required roles to themselves, via the User Administration tool.

Note: To add / modify / remove Admin Managers, contact [Global Account Management](#).

- **Application Admin:** The Application Admin (AA) is assigned entitlements to specific named Applications or Self-Service management functions, for managing users and/or requests. AA(s) can use the CME Customer Center to view entity, user and contact information under their access authority. AA(s) must initially add the required roles to themselves, via the User Administration tool.

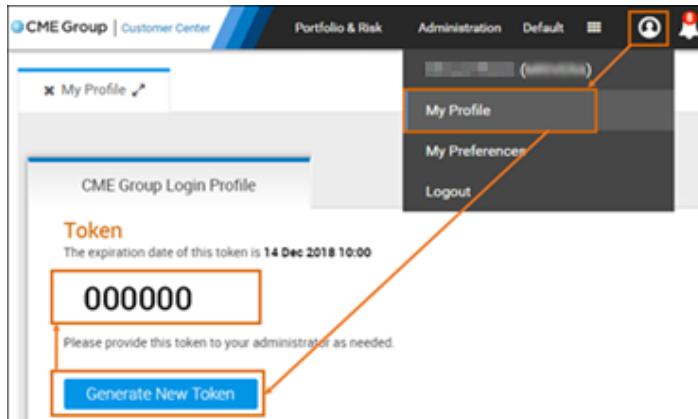
Prior to adding a new user entitlement the user must:

- Have a valid [CME Group Login ID](#).

Existing users with an active CME Group Login ID can be assigned entitlements directly.

- New users (including users with a recently [created CME Group Login ID](#)) may be required to generate and provide a [temporary token](#) to the firm's admin manager.

To obtain a token, select **My Profile > Generate New Token**. The token is valid for seven days.



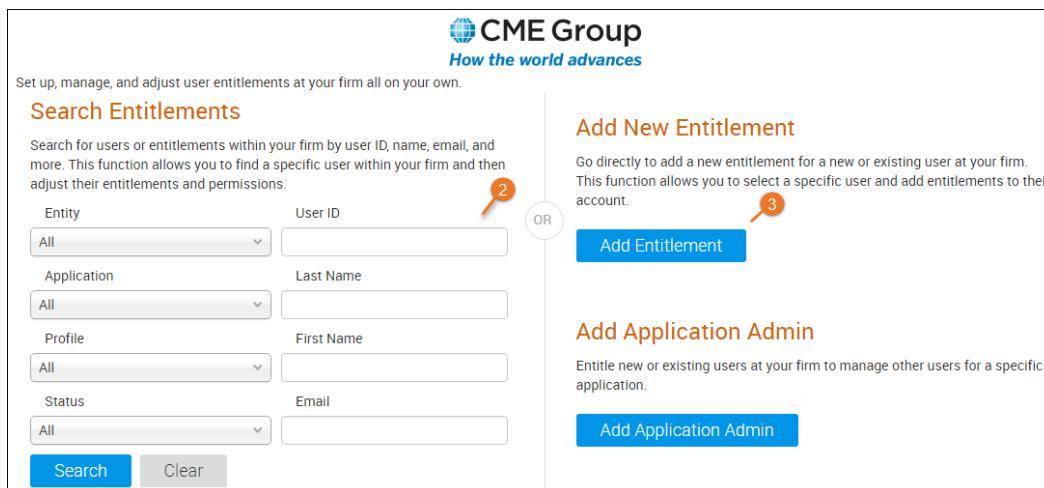
Before using application functions, Admin Managers and Application Admins must initially add individual application roles to themselves (example: [FirmSoft](#)) via User Administration process.

► **To Add an Application Administrator / Admin Manager:**

1. From the CME Customer Center menu, select **Administration > User Administration**.



2. Before adding new entitlements, CME Group recommends searching existing users to ensure users don't already have permissions.



3. If the user is not found, select **Back**.

User Administration

Search Entitlements

Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

| | |
|-------------------|------------|
| Entity | User ID |
| CID00022 - E-MINI | |
| Application | Last Name |
| All | estoque |
| Profile | First Name |
| All | |
| Status | Email |
| All | |

Search **Clear** **Back** 

Show 10 entries per page

| User ID | Last Name | First Name | Email | Profile | Status | Scope | Actions |
|---------------|-----------|------------|-------|---------|--------|-------|---------|
| No data found | | | | | | | |

4. From the User Administration page, select **Add Application Admin**.

CME Group
How the world advances

Set up, manage, and adjust user entitlements at your firm all on your own.

Search Entitlements

Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

| | |
|-------------|------------|
| Entity | User ID |
| All | |
| Application | Last Name |
| All | |
| Profile | First Name |
| All | |
| Status | Email |
| All | |

Search **Clear**

OR

Add New Entitlement

Go directly to add a new entitlement for a new or existing user at your firm. This function allows you to select a specific user and add entitlements to their account.

Add Entitlement

Add Application Admin

Entitle new or existing users at your firm to manage other users for a specific application.

Add Application Admin 

5. On the **Add Entitlement** page, specify the following:

- User:** Select one or more (+ Add User) users.
- Entity:** Select the registered entity.

Add Application Admin

User

* ADMIN, ANDY (ANDYADMIN)

+ Add User

Entity 

* CID00000 - CLEARING LLC

Select one or more of the following permissions.

- **Related Entity:** Clearing and / or Trading Firm(s).
- **Profile Group:** Front / Middle / Back Office.
- **Application:** Assigns all administrative entitlements for the selected application(s).

For a list of entitlements refer to [BrokerTec](#), [EBS](#) or [Futures & Options](#) application roles.

RelatedEntity i
TESTING x Select none, one or more

ProfileGroup i
* Front Office x Middle Office x Back Office x
Select one or more

Application
* Firm Admin Dashboard x Request Center x
Select one or more

Profile i
Firm Admin Dashboard
Firm Admin Dashboard - SOX Reports
Firm Admin Dashboard - Update – all
Firm Admin Dashboard - Update – partial

Add Entitlement Cancel

6. To finalize, select **Add Entitlement**.

For added security, enter your password, then select **Submit**.

User Administration x

Enter Your Password

Password *

Submit Cancel

The User profile page appears, with the updated profile(s) and user entitlement.

Adding User Entitlements

The following instructions describe and illustrate the process for adding application user entitlements.

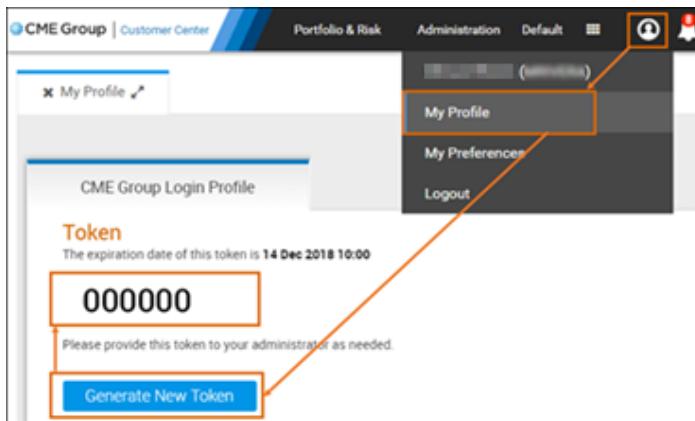
Prior to adding a new user entitlement the user must:

- Have a valid [CME Group Login ID](#).

Existing users with an active CME Group Login ID can be assigned entitlements directly.

- New users (including users with a recently [created CME Group Login ID](#)) may be required to generate and provide a [temporary token](#) to the firm's admin manager.

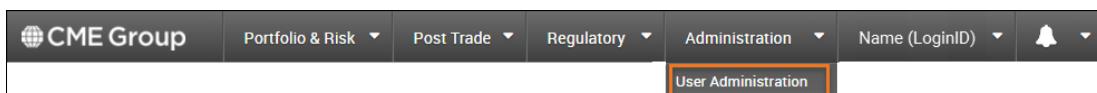
To obtain a token, select **My Profile > Generate New Token**. The token is valid for seven days.



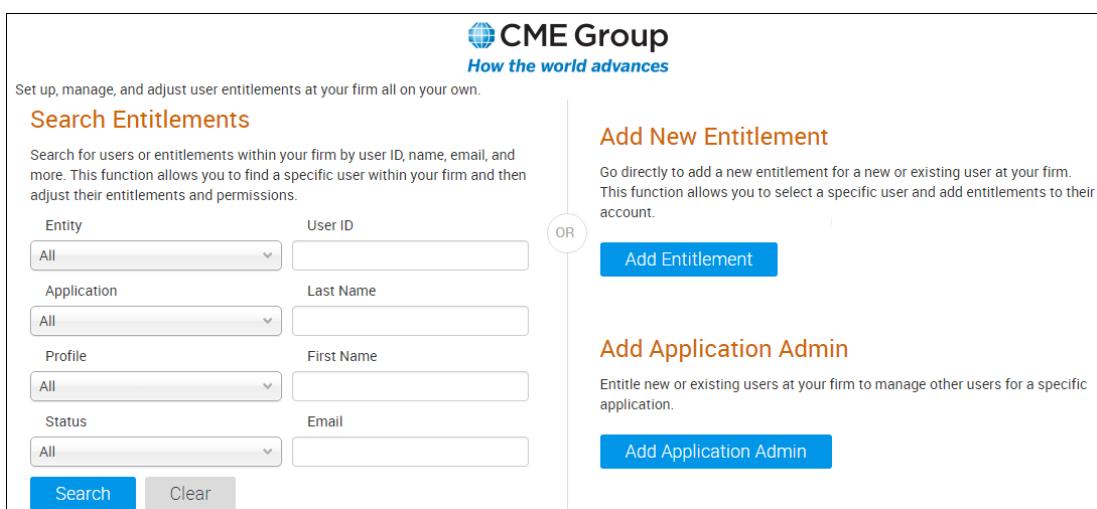
Before using application functions, Admin Managers and Application Admins must initially add individual application roles to themselves (example: [FirmSoft](#)) via User Administration process.

► **To Add an Application User Entitlement:**

1. From the CME Customer Center menu, select **Administration > User Administration**.



2. From the User Administration page, select **Add Entitlement**.



3. On the Add Entitlement page, select the **User**.

Filter the user list by entering the name or username (full / partial).

Note: To add the entitlement for multiple users, select **+ Add User**, then select the User(s) and enter a Token (if applicable).

Add Entitlement

| | |
|--------------|----------|
| User | Token |
| * userrevans | * 334187 |
| User | Token |
| * userchen | * 495670 |

+ Add User

4. Select the **Entity**.

For users with entitlements to one firm, this is selected automatically.

5. Select an **Application** and **Profile** (assigned entitlement).

Based on the application and **Profile** selection, the page refreshes to show additional *Entitlements* and *Scope* fields.

This example illustrates selection of the *User*, *Entity*, *Firm Admin Dashboard* application and available *Profiles*.

Add Entitlement

| | |
|-------------|---------------------------------------|
| User | * LAST, FIRST (LOGINID) |
| + Add User | |
| Entity | * CID00000 - E-MINI |
| Application | Firm Admin Dashboard |
| Profile | * Firm Admin Dashboard - Update – all |

6. Specify **Scope** details, if applicable.

The scope specifies application level configuration details, including additional permission and association with entities (e.g. clearing, trading firm, GFID) and exchanges.

To view a list of application entitlements, role permissions and scope details, refer to [EBS](#), [BrokerTec](#) or [Futures & Options](#) Application Roles.

7. After specifying entitlement and scope details, select **Add Entitlement** and confirm by entering your CME Group Login **password**, then click **Submit**.

The user profile page and confirmation appears and an email is sent to the Admin Manager(s), Application Admin(s) and added user(s).

Note: Users are entitled for Applications, Exchanges, Entities and entitlements individually. To entitle a user for more than one Exchange and Entity or grant additional access (example: Adding Asset Management, then Settlement Firm entitlements), repeat the above procedures.

Managing User Entitlements

The following procedure describes the process to perform a search then modify scope or entitlements from the search results page.

To view and manage available application entitlements and front / middle / back office details, refer to [BrokerTec, EBS or Futures & Options application roles](#)

► **To manage entitlements:**

1. From the Customer Center **Administration** menu, select **User Administration**.
2. On the main Search Entitlements page perform a **search** and select a **User ID** from the list.
3. Select a User ID (to perform additional actions), expand the Scope.

a. **User ID Actions**

| Profile | Status | Scope | Actions |
|---------------------------------------------|--------|-------------------------------------|---------|
| User Administration () - Application Admin | Active | <input type="checkbox"/> View scope | |

- [Add Entitlement](#)
- **Copy Entitlements:** Copies entitlements from the selected user to a new user.

Prior to copying, the new user must have a valid CME Group Login, then select the User and Profile, which applies the selected user's entitlements for the new user.

Copy requests require approval by admin managers.

- **Revoke All:** Deletes all entitlements for the selected user.
- **Export:** Save user entitlement details in an Excel compatible file.
- **View Scope:** Individual entitlements can be deleted by expanding the **Scope** then clicking the **delete (X)** icon.
- **Select Profile:** View the user profile in a pop-up dialog

b. **Scope Actions**

| User ID | Last Name | First Name | Email | Status | Profile | Scope |
|---------|-----------|------------|---------------|--------|-----------------------------------------------|-------------------------------------------------------------------------------------|
| USER1 | WATSON | USER | user@mail.com | Active | Request Center - EBS Drop Copy Full Access | <input checked="" type="checkbox"/> Hide scope Entity: CID00001 - TEST 00 |

- **Status:**
- **Select Profile:** View the user profile in a pop-up dialog
- **Delete:** **X** Individual entitlements can be deleted (X).
- **Edit:**  Add/Edit assigned entity.
- **Make Pending/Active:**  Temporarily deactivate the user's listed entitlement(s).
To reactivate pending users, select the **thumb up (👍)** icon.
- **Revoke:**  From the Actions column, select to remove an entitlement (including all Scope details).
This requires confirmation of the deletion / revocation.

Requests may require confirmation and/or Admin Manager approval, including selection from a dialog and/or entering your CME Group Login ID password.

Delete Entitlement

Are you sure you want to REVOKE the following scopes of *FirmSoft Administration - Order Management* from **WATSON, USER (USERWATSON)**?

Entity: E-MINI **Execution Firm (GFID):** N/A **Privileges:** Order Inquiry + Cancel **Session Restrictions:** 000

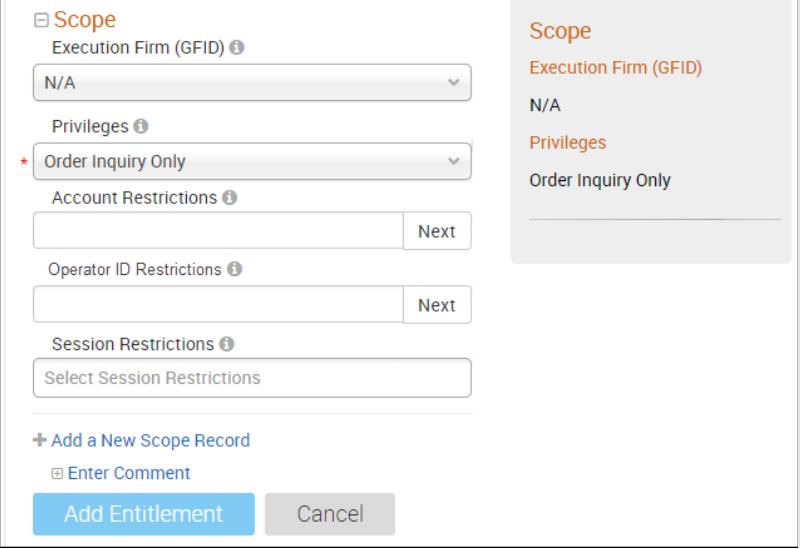
*There may be additional entitlements not managed through this system. Please contact [CME Enterprise Application & System Entitlements](#) at +1 312 456 1560 (US), +44 20 3379 3802 (Europe), or +65 6593 5536 (Asia) to verify if any additional entitlements exist.

Cancel
Delete

4. An email confirmation and update on the My Requests page may occur.

FirmSoft User Administration

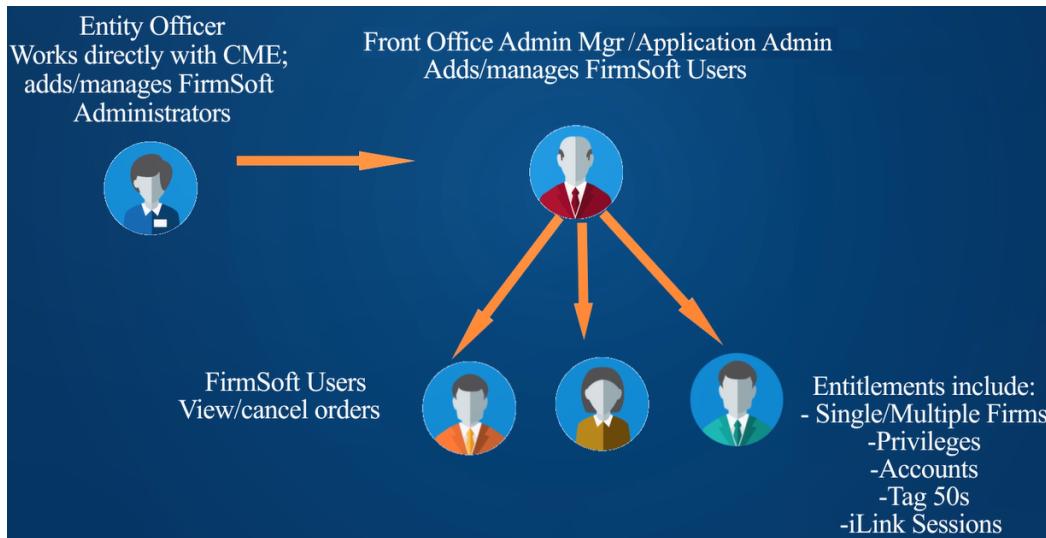
The CME Customer Center includes a self-service capability for Admin Managers (AM) / Application Admins (AA), at Registered Entities, to create and manage FirmSoft application user access, via the following roles:

| Role / Entitlement | Description | Futures and Options | BrokerTec | EBS |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------|-----|
| Order Management – Order Inquiry Only | Users can view orders and order status, fill / aggregate fill details. | P | P | P |
| Order Management – Order Inquiry plus Cancel | Users can view orders, order status and cancel an individual order, group of orders, working orders and mass quotes. | P | P | P |
| GFE Privileged Trader | <p>Users assigned the BrokerTec <i>Global Front End (GFE) Privileged Trader</i> role can view and cancel individual / multiple orders, all working orders and mass quotes for a given GFID for which they are assigned access.</p> <p>Using the Scope fields, management permissions can be further restricted to specified iLink Order Entry Sessions, Accounts, Tag 50 (Operator IDs).</p>  <p>See also: BrokerTec GFE Order Takeover</p> | | P | |

Assigning user entitlements and permissions begins with the Registered Entity's designated Entity Officer. The Entity Officer entitles their company's Front Office Admin Manager who adds and manages FirmSoft user entitlements.

AMs and AAs can use CME Customer Center - User Administration to add FirmSoft users, view user entitlements, make FirmSoft entitlements pending, and submit [entity requests](#).

- [Adding FirmSoft Users](#)
- [Viewing Application Users](#)
- [Managing FirmSoft Entitlements](#)



Adding FirmSoft Users

The following procedures illustrate the process to access User Administration functions to assign / add FirmSoft application entitlements for a given user.

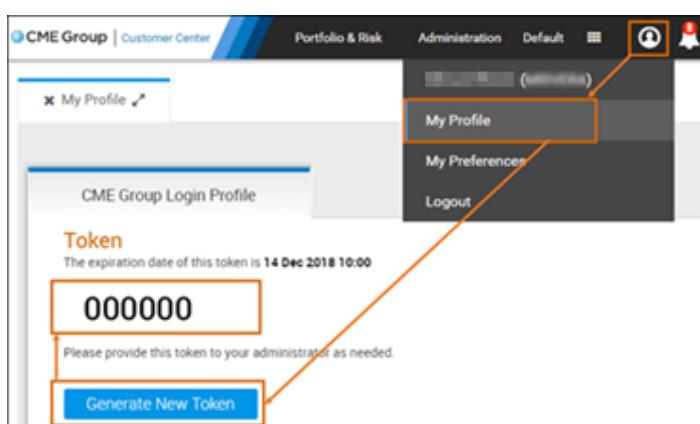
This video provides illustrated instructions on the administration process:  [FirmSoft Administration](#).

[To Add a FirmSoft User:](#)

Prior to adding a new user entitlement the user must:

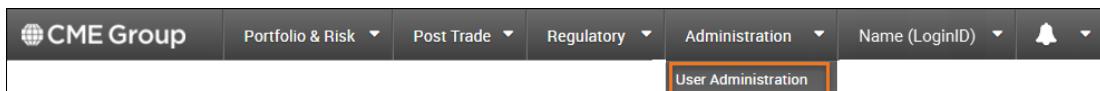
- Have a valid [CME Group Login ID](#).
Existing users with an active CME Group Login ID can be assigned entitlements directly.
- New users (including users with a recently [created CME Group Login ID](#)) may be required to generate and provide a [temporary token](#) to the firm's admin manager.

To obtain a token, select **My Profile > Generate New Token**. The token is valid for seven days.



Before using application functions, Admin Managers and Application Admins must initially add individual application roles to themselves (example: [FirmSoft](#)) via User Administration process.

1. From the CME Customer Center menu, select **Administration > User Administration**.



2. Before adding new entitlements, CME Group recommends searching existing users to ensure users don't already have permissions.

To add user entitlements, go to step 3.


CME Group
How the world advances

Set up, manage, and adjust user entitlements at your firm all on your own.

Search Entitlements

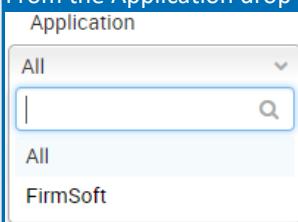
Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

2

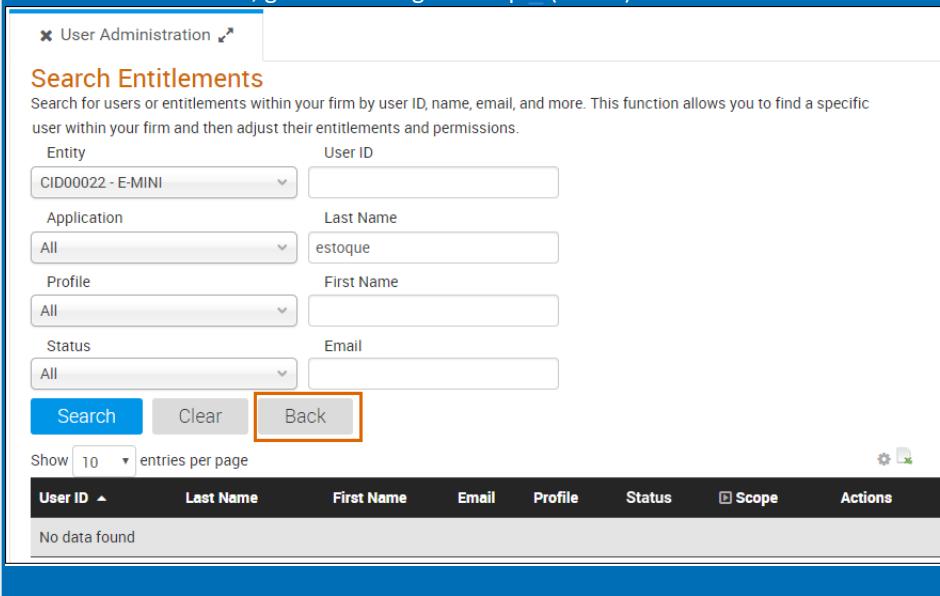
3

OR

 **Example:** Searching all FirmSoft users.
From the Application drop-down menu, select **FirmSoft**.



If the user is not found, go **Back** then go to Step 3 (below).



If the user is found, select their name to [manage entitlements](#).

Search Entitlements

Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

| Entity | User ID |
|-------------------|------------|
| CID00022 - E-MINI | |
| Application | Last Name |
| FirmSoft | |
| Profile | First Name |
| All | |
| Status | Email |
| All | |

Search **Clear** **Back**

Show 10 entries per page

| User ID | Last Name | First Name | Email | Profile | Status | Scope | Actions |
|------------|-----------|------------|--------------------|-----------------------------|--------|-------------------------------------|---------|
| USERWATSON | WATSON | USER | watson@company.com | FirmSoft - Order Management | Active | <input type="checkbox"/> View scope | |

3. From the User Administration page, select **Add Entitlement**.

CME Group
How the world advances

Set up, manage, and adjust user entitlements at your firm all on your own.

Search Entitlements

Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

| Entity | User ID |
|-------------|------------|
| All | |
| Application | Last Name |
| All | |
| Profile | First Name |
| All | |
| Status | Email |
| All | |

Search **Clear**

Add New Entitlement

Go directly to add a new entitlement for a new or existing user at your firm. This function allows you to select a specific user and add entitlements to their account.

Add Entitlement

Add Application Admin

Entitle new or existing users at your firm to manage other users for a specific application.

Add Application Admin 4

4. On the **Add Entitlement** page, specify the entitlements.

Add Entitlement

User
* TEST, CME (TEST ID)

+ Add User

Entity
* CID00022 - E-MINI

Application
FirmSoft

Profile
* FirmSoft - Order Management

Entitlement Summary

TEST ID
Entity
CID00022 - E-MINI
Profile
FirmSoft - Order Management

- a. Select the **User**

Filter the user list by entering the name or username (full / partial).

For new application users without existing entitlements, enter a token.

Add Entitlement

User
* userrevans

Token ⓘ
* 334187

User
* userchen

Token ⓘ
* 495670

+ Add User

- b. **Entity:** Select the registered entity (automatically selected for users / administrators with permissions for only one entity).
- c. **Application:** FirmSoft
- d. **Profile:** FirmSoft - Order Management

Scope: Additional application permission and associations (e.g. clearing, trading firm, GFID, exchange).

Scope

Execution Firm (GFID)

N/A

Privileges

* Order Inquiry Only

Session Restrictions

Select Session Restrictions

Add a New Scope Record

Enter Comment

Add Entitlement

Cancel

- e. **Execution Firms:** From the drop-down menu, select **Globex Firm Identifier(s) (GFIDs)** the user is permitted to manage.

Selecting **N/A** grants access to all [GFIDs](#), at the Registered Entity.

- f. **Privileges:** Allows the user to use FirmSoft or contact the [GCC](#) to make order inquiries and / or cancel orders.

Futures & Options

- **Order Inquiry Only:** Entitles the user to view orders and order status: order information, fill and aggregate fill information, cancellation history. for the specified execution firm, account, Operator ID, iLink session.
- **Order Inquiry plus Cancel:** In addition to above, users can cancel an order, group of orders, working orders or mass quotes for the specified execution firm, account, Operator ID, iLink session.
- [BrokerTec / EBS](#)
 - **Order Management - Order Inquiry Only:** Users can view orders, order status, fill / aggregate fill details.
 - **Order Management – Order Inquiry + Cancel:** Users can view orders, order status and **cancel** an individual order, group of orders, working orders and mass quotes.
 - **Privileged Trader (BrokerTec only):** Users assigned the BrokerTec *Global Front End (GFE) Privileged Trader* role can view and cancel individual / multiple orders, all working orders and mass quotes for a given GFID for which they are assigned access.

Using the Scope fields, permissions can be further restricted to the specified [iLink Order Entry Sessions](#), [Accounts](#), [Tag 50 \(Operator IDs\)](#).

- g. **Account Restrictions:** Specify account(s) which the user is enabled to view / manage, then press **Enter** on the keyboard.

No entry (blank): The user may access all accounts available to the firm.

- h. **Tag 50 / Operator ID Restrictions:** Specify Tag 50 / Operator ID(s) the user can view / manage, then press **Enter** on the keyboard.

No entry (blank) - The user may access all [Globex Operator IDs](#) available to the firm.



Note: Account / Operator ID Restrictions: Separate multiple entries with a comma

- i. **iLink Order Entry Session Restrictions:** Select iLink Order Entry Session(s) the user can view / manage, then

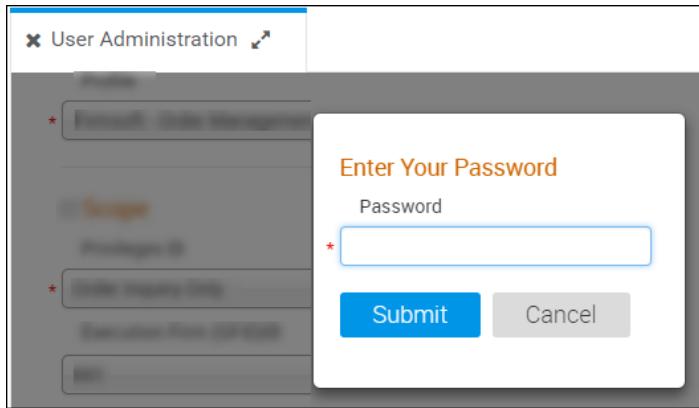
press **Enter** on the keyboard.

No entry (blank) - The user may access all [iLink Session IDs](#) available to the firm.

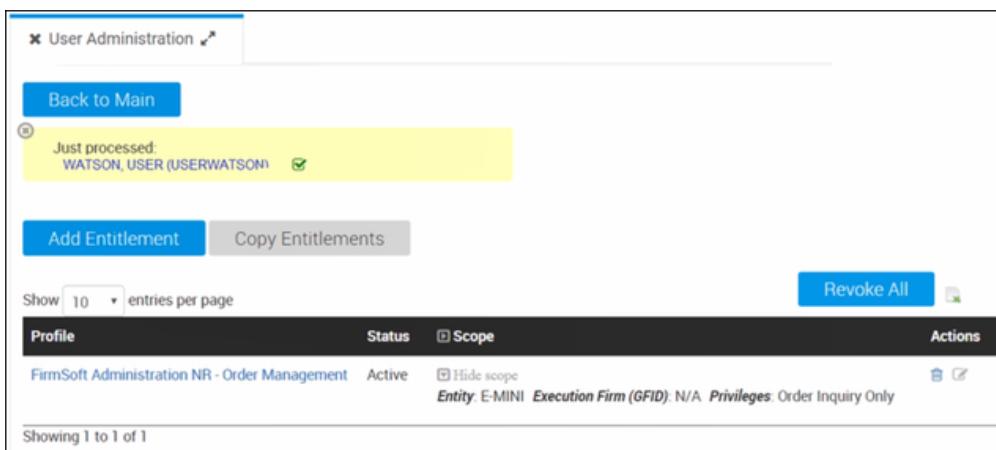
5. To complete entitlement assignment, select **Add Entitlement**.

For added security, enter your **password**, then select **Submit**.

A confirmation appears and an email is sent to the Admin Manager(s), Application Admin(s) and added user(s).



- **The entitlement has been added successfully** - The user profile page appears with the updated profile and user entitlement. A confirmation email is sent to the Admin Managers, Application Admins and users.
- **The entitlement requested already exists** - No new entitlement is added. Confirm whether the proposed entitlement information is correct, then resubmit with updates.



Additional options:

- a. **Add User:** Assign the selected entitlements to additional users.

- b. **Add New Scope Record:** For the additional User(s), assign entitlements for the same Entity, Application and Profile.
- c. **Enter Comment:** Additional notes about the user entitlement.

Viewing Application Users

Clearing firms can use the **Search Entitlements** function to view a list of application users and their assigned application entitlements.

► **To view application users in the User Administration function:**

1. From the **User Administration** page > **Search Entitlements** pane, select **Entity**: Clearing Firm Registered Entity.

Set up, manage, and adjust user entitlements at your firm all on your own.

Search Entitlements

Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

Entity User ID

Application Last Name

Profile First Name

Status Email

Add New Entitlement

Go directly to add a new entitlement for a new or existing user at your firm. This function allows you to select a specific user and add entitlements to their account.

Add Application Admin

Entitle new or existing users at your firm to manage other users for a specific application.

2. Select **Application**: FirmSoft
3. Select **Profile**: FirmSoft Administration - Order Management
4. Status is optional.
4. Click **Search**.

A list of application users and their assigned entitlements appears in the lower pane of the Search Entitlements page.

Search Entitlements

Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

Entity User ID

Application Last Name

Profile First Name

Status Email

User ID **Last Name** **First Name** **Email** **Profile** **Status** **Scope** **Actions**

| User ID | Last Name | First Name | Email | Profile | Status | Scope | Actions |
|------------|-----------|------------|--------------------|--------------------------------------------|------------------|-------------------------------------|---------|
| USERWATSON | WATSON | USER | watson@company.com | FirmSoft Administration - Order Management | Active / Pending | <input type="checkbox"/> View scope | |
| USERBAKER | BAKER | USER | baker@company.com | FirmSoft Administration - Order Management | Active / Pending | <input type="checkbox"/> View scope | |
| USEREVANS | EVANS | USER | evans@company.com | FirmSoft Administration - Order Management | Active | <input type="checkbox"/> View scope | |
| USERCHEN | CHEN | USER | chen@company.com | FirmSoft Administration - Order Management | Active | <input type="checkbox"/> View scope | |

- To Add or Remove columns select **Settings** (, above the user list)
- **Status**:
 - **All**: The default search for columns containing
 - **Active**: User profile(s) contains only active profiles
 - **Pending**: User profile(s) contains pending profiles to review and activate
 - **Active / Pending**: User has multiple profiles, including pending and active
- To sort the list select **column heading**.
- The application user list can be exported as a spreadsheet by selecting the **spreadsheet** () icon.

The file is saved to the default browser download location.

Managing FirmSoft Entitlements

From the User Administration function, authorized firm admins can manage user entitlements and FirmSoft application permissions, including entity, Execution Firm / GFID, permissions to view and / or cancel orders.

► To manage FirmSoft Entitlements:

1. From the Search Entitlements page, **search** for a FirmSoft application user (by Entity, Application, Profile, User).

Search Entitlements

Search for users or entitlements within your firm by user ID, name, email, and more. This function allows you to find a specific user within your firm and then adjust their entitlements and permissions.

| | |
|----------------------------------------------------------------------------------------------------------------|----------------------|
| Entity | User ID |
| CID00001 - TEST | <input type="text"/> |
| Application | Last Name |
| FirmSoft | <input type="text"/> |
| Profile | First Name |
| FirmSoft - Order Management | <input type="text"/> |
| Status | Email |
| All | <input type="text"/> |
| <input type="button" value="Search"/> <input type="button" value="Clear"/> <input type="button" value="Back"/> | |

Authorized User IDs and assigned entitlements will appear in a list with options to manage the User Profile.

2. For a given **User ID**, select a User ID or expand the **Scope** to perform additional actions:

- Select the linked **User ID**: View detailed application entitlements for the selected user.

| User ID | Last Name | First Name | Email | Profile | Status | Scope | Actions |
|-----------------------|-----------|------------|--------------------|-----------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| USERWATSON User ID | WATSON | USER | watson@company.com | FirmSoft - Order Management | Active/Pending | <input type="checkbox"/> Hide scope Entity: E-MINI Execution Firm (GFID): ABCD Privileges: Order Inquiry + Cancel ACTIVE Entity: E-MINI Execution Firm (GFID): EFGH Privileges: Order Inquiry + Cancel PENDING | <input type="checkbox"/> <input type="checkbox"/> |

- View (Expand) Scope () to view detailed application entitlements and perform additional functions; delete (), update (), make pending (), or revoke () entitlements.
- **Edit** () to access the **Edit Entitlements** screen and manage a user's FirmSoft entitlements.

| User ID | Last Name | First Name | Email | Profile | Status | Scope | Actions |
|------------|-----------|------------|--------------------|-----------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| USERWATSON | WATSON | USER | watson@company.com | FirmSoft - Order Management | Active/Pending | <input type="checkbox"/> Hide scope Entity: E-MINI Execution Firm (GFID): ABCD Privileges: Order Inquiry + Cancel ACTIVE Entity: E-MINI Execution Firm (GFID): EFGH Privileges: Order Inquiry + Cancel PENDING | <input type="checkbox"/> <input type="checkbox"/> Edit |

- From the **Edit Entitlement** screen the status of individual entitlements are indicated (ACTIVE / PENDING) with additional functions to manage entitlements:

Edit Entitlement

[+ New](#)

Entity: First Bank Corp, Execution Firm (GFID): ABCD
Status: **PENDING**  

Entity: Second Bank Corp, Execution Firm (GFID): FGHI
Status: **PENDING**  

Entity: Peoples Trust Bank, Execution Firm (GFID): JKLM
Status: **PENDING**  

Entity: Peoples Trust Bank, Execution Firm (GFID): NOPQ
Status: **ACTIVE**  

[Close](#) [Save](#)

The Expanded Entitlement screen displays entity configuration details.

Edit Entitlement

[+ New](#)

Entity: TEST, Execution Firm (GFID): ABCD
Status: **ACTIVE**  

Entity  [Make Pending](#)

TEST

Execution Firm (GFID) 

N/A

Privileges 

Order Inquiry + Cancel 

Account Restrictions 

Tag 50 Restrictions 

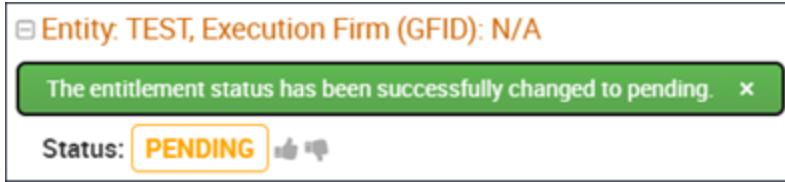
Session Restrictions 

[+ New Value](#)

[Close](#) [Save](#)

- [Create a new](#) ([+ New](#)) FirmSoft entitlement configuration for the selected user.

- **Make Pending** (⌚): Temporarily deactivate users' listed entitlement(s) and displays a *pending confirmation dialog*



indicating the selection.

- **Make Active** (👍) directly from the Edit Entitlement screen, which displays dialog confirmation the selection.
- **Delete** (🗑) the selected entity configuration.
- Add a **Session Restriction** (+ New Value), which enables entitlements for a specific Session ID
- **Edit** (📝): Enable additional Privileges, Account, Tag 50 / Order Entry Session access.
- **Settings** (⚙): add / remove columns