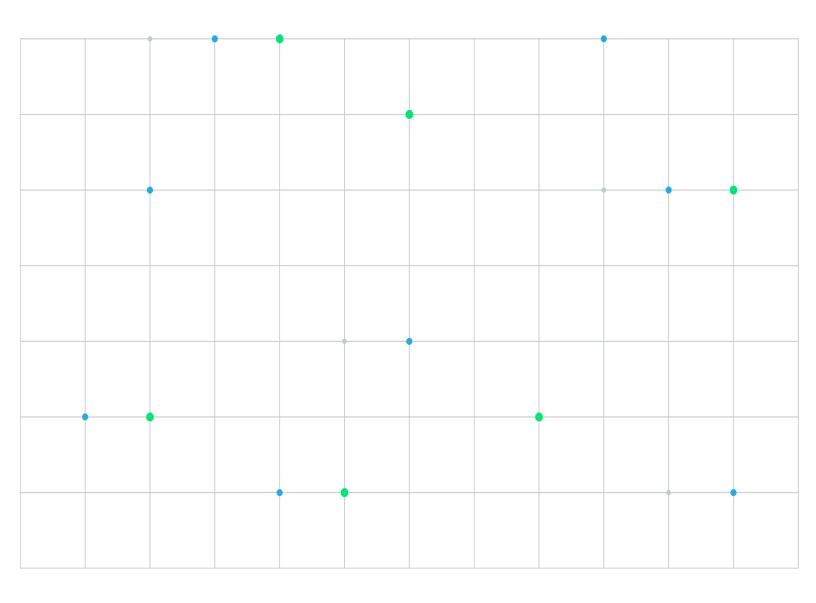


Entity Risk Management User Guide

26 November 2025



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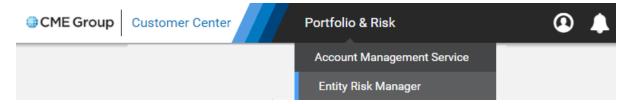
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Getting Started

CME Entity Risk Management Service is used to manage user, firm and product-level risk for trading CME Group products electronically on the Central Limit Order Book and pre-negotiated trades, including:

- CME ClearPort
- · CME Direct and CME Direct Mobile
- CME Globex



Entity Risk Management Functions

Policy & Threshold

View and manage policies and alerts on an execution firm level.

- CME Globex ICC Policy: ICC Clearing firm account administrators can set policies on an execution firm level.
- CME Globex ICC Alerts: Set threshold alerts to notify recipients, by email, when a specified percentage of limits have been breached.
- CME Globex ICC Product Restriction Policy: Restrict execution firms from trading certain products.

Spot FX

Manage Prime Broker, Trading, Execution firm relationships and limits (notional reference limit and products) for submitting Spot FX basis spread orders, which are comprised of OTC FX and FX Futures legs.

User Max Qty Limits

For CME Direct users, view and manage maximum allowable product quantity limits for the following order types: outright, commodity spreads, strips and inter-commodity spreads.

Trade Type Restriction by Firm

Restrict the ability of CME ClearPort enabled firms to submit block trades.

Trade type restriction, by account, is managed with <u>Account Management Service</u>.

CM Settings

Use the opt-out status to prevent trading firms from viewing account details.

Related Functionality

Account Management Service: Create, view and manage accounts, including Spot FX account associations with execution firms.

What's New

The list below illustrates the updates made to the Entity Risk Management Help system.

Date	Topic	Description
November 26, 2025	CME Globex Product Restriction Policy	Added a function to manage execution firms entitled to trade event contract products.
November 26, 2025	CME Globex ICC Policy	Added a function to manage event swap product restrictions.
February 14, 2025	FX Link and FX Spot+	FX Spot+ includes a Net Open Position Limit to manage long/short limits for FX Link and FX Spot+ products for a given firm. For information and instructions, view the FX Link / FX Spot+ Credit ManagementFX Link / FX Spot+ Credit Management User Guide.
February 14, 2025	FX Link and FX Spot+	ERM allows Credit Risk Administrators to set and manage credit limits and monitor Credit Group utilization for both FX Link and FX Spot+.
October 21, 2022	CME Globex ICC Product Restriction Policy	Product Restriction Policy function enables restriction of multiple execution firms and products via upload process
January 13, 2020	CME Globex Product Restriction Policy	Clarification of CME Globex Product Restriction Policy and exception for Mass Quote messages
July 18, 2019	User Max Qty Limits	Updated description for Activate / Deactivate function; Prevent / Allow CME Globex trades.
April 11, 2019	CM Settings	Added options to manage trading firm access: Opt-in, opt-out, view-only.
March 21, 2019	FX Link / Spot FX Quick Start	Summarizes the FX Link / Spot FX onboarding and setup process.
February 26, 2019	CME Globex ICC Product Restriction Policy	Permitting accounts trade restricted products.
December 18, 2018	CME Globex Product Restriction Policy	Updated available details available from the downloadable product restriction spreadsheet, to include all restricted products and accounts.
November 15, 2018	Spot FX	Updated Prime Broker and Trading Firm functions.
August 15, 2018	All	Initial release.

Logging In

After confirming CME Group Login registration and association with an authorized firm, review the following login instructions.

CME Group Login

CME Group Login is a self-managed, centralized user profile service that authenticates access to Entity Risk Management and other applications and services.

- Create a new CME Group Login user ID and profile: Prior to accessing, all users must have an active login profile.
- Review the CME Group Login User Guide: Access guidance and instructions: register, retrieve forgotten user ID, reset password, update profile and manage other services.
- <u>Update a CME Group Login User ID and profile</u>: Login privileges are retained even if users change firms, email address, registration information, User ID or password. Some instances may require access and entitlements update.

For additional registration or login assistance, including forgotten user ID and password, contact EASE.

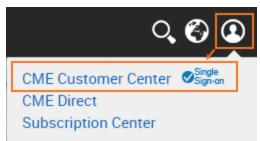
To request application access, contact Global Account Management.

Log In



To login to Entity Risk Management:

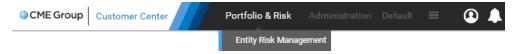
1. Navigate to cmegroup.com., select the Login / Profile icon(), then select CME Customer Center (single sign on).



2. On the page that appears, enter the CME Group Login ID and Password, then select Login .



3. From the Portfolio & Risk tab, select Entity Risk Management.



Note: For login or access issues, contact Enterprise Application & System Entitlements (EASE) or go to the CME Group Login page.

Roles and Entitlements

Entity Risk Management application functions are available to clearing and executing firm users with the following selectable role / entitlements; to which users can be assigned multiple.

- Role requests are coordinated with Global Account Management (GAM).
- Access issues are managed by Enterprise Application & System Entitlements (EASE).

Example: To authorize a clearing firm administrator, for CME Globex and CME ClearPort, select: - Globex Clearing Firm Account Admin - CPC Clearing Firm Account Admin				
Role	Firm Type	Entitlement Description		
Clearing Firm Account Administrator	Clearing Firm	View and manage firm, user and product risk settings; CME Direct user / product limits, trading firm access. ICC (CME Globex): Set policies, alerts and product restrictions at the Execution firm level. Spot FX View and manage Trading / Prime Broker / Execution firm / Accounts associations (links). View and manage notional reference limits, thresholds and alerts. Set credit and thresholds on a trading firm level CME ClearPort: Manage trade type restrictions.		
Sub Clearing Member Firm Account Administrator	Sub-Clearing Firm	 CME ClearPort / CME Direct (CME Globex) Manage credit controls at the user level for trading on CME Direct. Restrict trading firms eligible for pre-negotiated trade submissions by trade type. 		
Clearing Org Risk Manager	Clearing Firm	View and manage clearing firm credit controls.		
Spot FX Clearing Org Risk Manager, also known as Central Clearing Counterparty (CCP)	Primary Broker Firm	 Manage thresholds, alerts and limits; such as position limits and notional reference limits for all prime brokers. Suspend / Allow order entry on a prime broker level. 		
Spot FX Clearing Org Risk Viewer	Primary Broker Firm	View thresholds, alerts and limits; such as position limits and notional reference limits for all Prime Brokers.		
Execution Firm Account Administrator	Execution Firm	 CME ClearPort / CME Globex / ICC (CME Globex) View policies, thresholds, alerts and user / trade type restrictions for their firm. Spot FX View limits on assigned trading firms for Spot FX. 		

Dashboard

The Dashboard provides an overview of Entity Risk Management functions, a link to the User Manual / WebHelp and support contacts.

Available functions:

- Policy & Threshold
- FX Link and Spot FX+ Credit Management
- User Max Qty Limits
- Trade Type Restriction
- CM Settings
- 1 Info: View the current user and system version.
- Lagran Phone: Opens a dialog to contact the CME Global Command Center (GCC).
- Email: Opens the default email program to send a support request.
- Pelp: Opens the User Manual / WebHelp.

Policy & Threshold

ICC Clearing Firm Account Administrators use the Policy and Threshold functions to set limit policies and thresholds on an Execution Firm level. Policies are set and enforced for ICC service. Designated individuals will receive an email notification if thresholds are breached.

Authorized execution firms can view policies and threshold that have been assigned to their firm



To access Policy & Threshold:

From the Entity Risk Management menu, select Policy & Threshold, then proceed to the following:



- CME Globex ICC Policy: Manage execution firm(s) policy settings.
- CME Globex ICC Alerts: Specify or upload notification thresholds and alert settings. When submitted trades exceed a given threshold an email notification is sent.
- CME Globex Product Restriction Policy: Restrict execution firms from trading specific products.

CME Globex ICC Policy

Authorized *clearing* firm administrators can use the CME Globex ICC Policy to manage policies on an Execution Firm level, including the ability to submit orders for <u>event swap</u> contracts.

Authorized execution firm account administrators can view policy settings for their firm.

Available functions:

- Unregistered Accounts: Default handling of orders from unregistered accounts. Policy setting updates are effective immediately.
- **Unset Limits**: Default handling of orders for products that do not have a specified limit. Policy setting updatesare effective immediately. For the specified execution firm, if limits have not been set, product limits can be <u>set to unlimited or zero</u>.
- **Covered Strategies**: Specify whether to block or ignore Covered strategies (futures) or Covereds (futures with options) strategy. Policy setting updates are effective immediately.
- Event Swap contracts: Manage event swap contract product restrictions on the execution firm and product-code level. Event Swap Policy updates must be submitted prior to 2:00 PM CT to be effective for the subsequent trading session.



To manage firm permissions for weekend trading, use the Risk Management Tools - Globex Credit Controls function.



To manage Globex ICC Policy:

1. From the Policy & Threshold menu, select CME Globex ICC Policy.



A list of all execution firms appears.

2. (optional) If you have access to more than one clearing firm, clear the current selection ((a)), then select another firm.

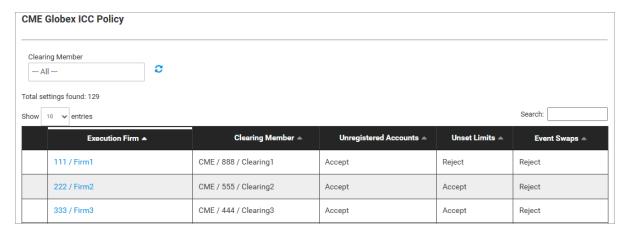


From the list of execution firms, the following information is available:

- Execution Firm: Firm ID and Name.
- Clearing Member

Policy Settings: The current policy status appears (below).

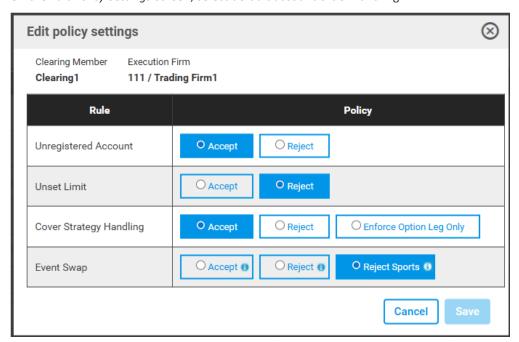
- Unregistered Accounts
- Unset Limits
- Covered Strategies
- Event Contracts: see settings (below)



** Indicates policy settings are no longer valid due to invalid firm relationship.

* Indicates policy is not yet effective (pending).

- 3. To manage settings, select the blue linked execution firm.
- 4. On the Edit Policy Settings screen, select default account order handling:



- **Unregistered Account:** Specify how orders from unregistered accounts are handled (Accept / Reject). Unregistered accounts are not available or active from <u>Account Management Service</u>.
- Unset Limits: Specify default handling of orders for products without quantity limits.
 - Accept: Default setting. If limits have not been set, accounts are permitted to submit orders that are within the overall firm credit control limit.
 - Reject: If ICC product limits have not been set, orders will be rejected.
- **Covered Strategies**: If an order is submitted for Covereds (futures with options) strategies, the enabled thresholds will be evaluated to generate threshold events which may be used to send alert emails.
 - Accept: Default setting. Provide no credit controls enforcement for Covered User Defined Spreads (UDS), ICC serves as a pass through for all covered strategy orders.

- Reject: Reject all orders for covered User Defined Spreads.
- Enforce Option Leg Only: Perform position limit checks on option legs only.
- **Event Swaps**: By default all firms are restricted from trading event swaps and must be actively permissioned with this ICC Policy setting.

Available options:

- Reject: (Default selection) Blocks All Event Swap orders, including sports.
- Accept: Allows All Event Swap orders, including sports.
- **Reject Sports**: Blocks Sports Event Swaps, allows all other event swaps.

Event Swap Policy updates must be submitted prior to 2:00 PM CT to be effective for the subsequent trading session.

5. To finalize, select **Save**.

CME Globex ICC Alerts

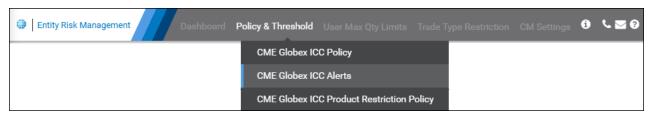
Authorized clearing firm administrators use CME Globex ICC Alerts to set up thresholds and email alerts, on an Execution Firm level, to notify up to 20 recipients when a threshold has been breached. Authorized execution firm administrators can view alert settings for their firm.

Available functions:

- View a list of execution firm alert thresholds and email recipients.
- Use the responsive search field to find an execution firm.
- Select column headings to sort results in ascending / descending order.
- Manage Alerts, by select an Execution Firm from the list.

To manage Globex ICC Alerts:

1. From the Policy & Threshold menu, select CME Globex ICC Alerts.



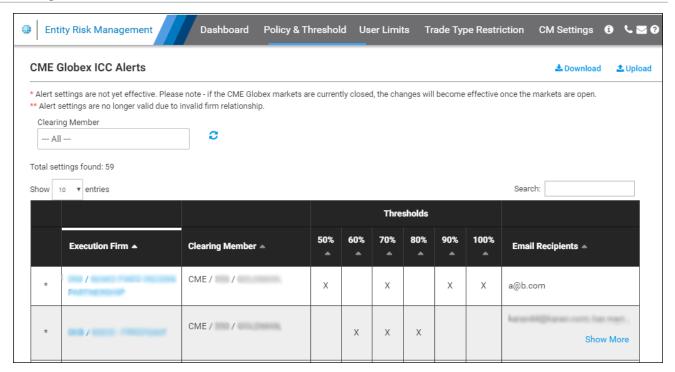
A list of all execution firms appears.

2. If you have access to more than one clearing firm, clear the current selection (\otimes), then select another firm.

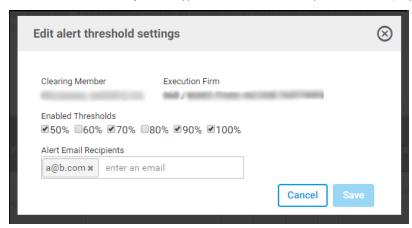


From the list of execution firms, the following information is available:

- Execution Firm: Firm ID and Name.
- · Clearing Member
- Thresholds
- Email Recipients



- * Alert settings are not yet effective. If CME Globex markets are closed, updates are effective at the market open.
- ** Alert settings are no longer valid due to invalid firm relationship.
- 3. To manage settings, select the **blue** linked execution firm.
- 4. On the **Edit alert threshold settings** screen, specify the following:
 - Enabled thresholds: Select thresholds between 50% to 100%.
 - Alert Email Recipients: Type email address, then press <Enter> (keyboard).



5. To finalize, select **Save**.

During CME Globex market hours, policy settings are effective immediately. If markets are closed, updates are effective at the market open.

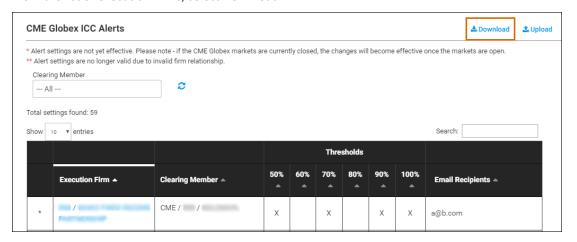
Multiple Execution Firm Alerts - Upload

Manage multiple execution firm alert settings by downloading alert settings on a spreadsheet, updating thresholds and email recipients, then uploading.

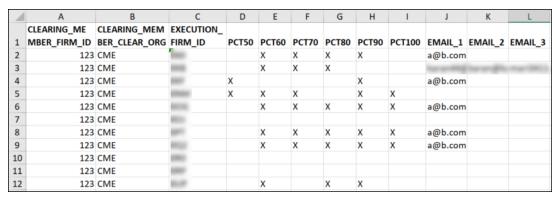


To update multiple threshold alert settings:

- 1. From the Policy & Threshold menu, select CME Globex ICC Alerts.
- 2. From the list of execution firms, select Download.



3. Open the spreadsheet, then enter thresholds (PCT50 to PCT100) and email recipients (up to 20, one per).

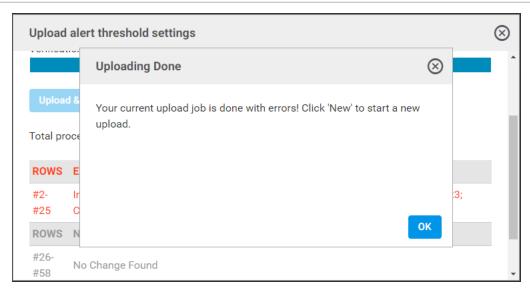


- 4. On the CME Globex ICC Alerts pane, select Upload, then Choose / Browse to the file.
- 5. Select Upload & Verify.

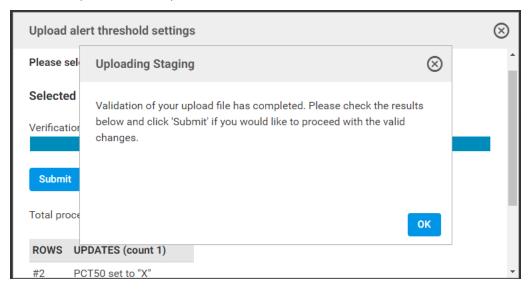
The system validates submissions and an error / process message indicates validation results; including the updated rows and updated details.

• Error: When an error is detected a message appears and indicates a recommended resolution.

Select New, then choose an updated spreadsheet.



• Success: After validation, a message indicates the updated rows and details. Select **OK**; repeat as necessary.



6. To finalize, select Submit.

CME Globex ICC Product Restriction Policy

Using the CME Globex ICC Product Restriction Policy authorized clearing firm administrators can:

- · View a list of restricted products, including execution firms restricted from submitting orders for the listed product.
- Restrict the ability for execution firms to submit trades for a selected product, including restricting a product for all execution firms.
- Manage execution firm access to trade swap-based event contracts.
- View Event Swap Restrictions: View a list of event swap product restrictions as a reference. To manage order entry permissions, use the CME Globex ICC Policy function.
- Remove non-zero limits for restricted products.
- Using the download/upload function to <u>restrict multiple execution firms</u> from submitting trades for multiple products.
- Download accounts: View accounts and product limit details as a spreadsheet.

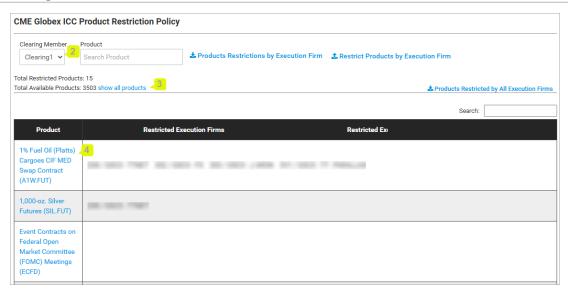
Note: The product restriction policy does not apply to Mass Quote messages. ICC Product Restrictions apply to new orders, order modifications, requests for quote, and cross orders.

To manage execution firm / product restrictions:

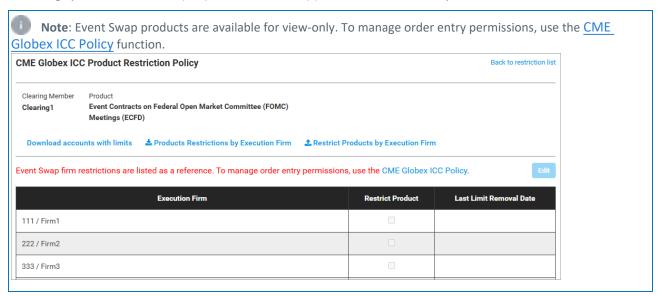
1. Select the Policy & Threshold menu, then select CME Globex ICC Product Restriction Policy.

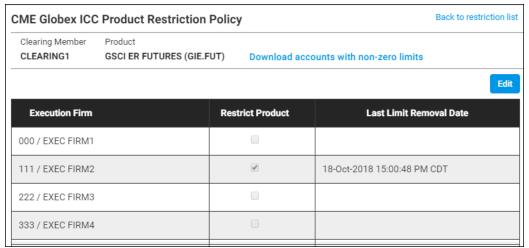


- 2. Find a particular product or firm, by selecting the **Clearing Member** (automatically selected for users with access to one firm), **Product**, **Search** fields.
 - Restricted products appear in a list, with the execution firms that have been restricted.
- 3. To view and manage restrictions for additional products, select **show all products**.

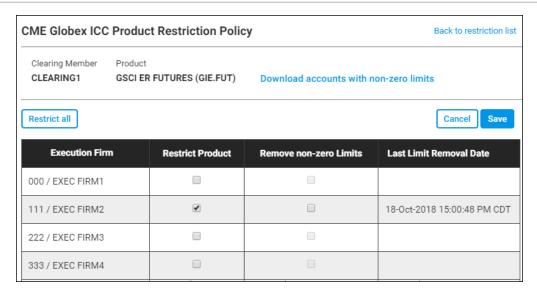


4. To manage product restrictions (a, b) or account limits (c), select the blue linked product.



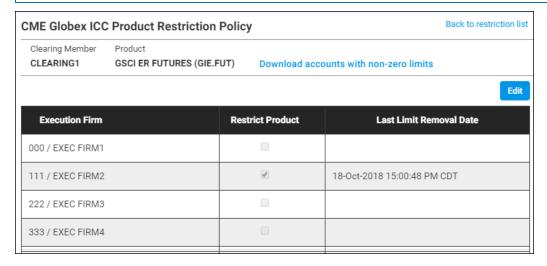


5. Select Edit then:



- a. **Restrict Product**: Restrict the ability to submit trades. Also restricts unregistered execution firm accounts from submitting orders.
- b. **Remove non-zero limits**: To restrict accounts with specific product limits to submit orders, select this checkbox. For a given execution firm, individual product limits will be set to zero; restricting the ability to submit trades.

Event Swap Products are not available to manage with Product Restriction Policy functions. To manage execution firm order entry permissions, use the CME Globex ICC Policy function.



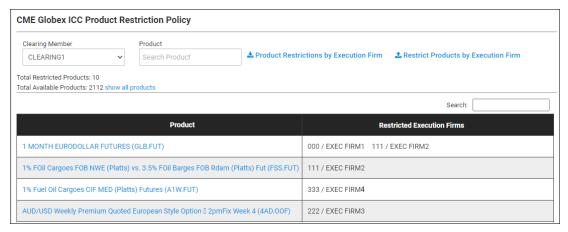
- c. **Download acounts with limits**: For a given Clearing Member firm, download a spreadsheet of all ICC accounts with individually specified product limits.
- 6. To finalize, select Save.
- To Restrict multiple execution firms / products via upload:
 - 1. Select the Policy & Threshold menu, then select CME Globex ICC Product Restriction Policy.



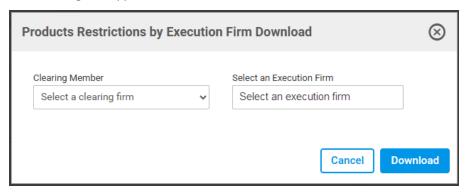
2. Find a particular product or firm, by selecting the **Clearing Member** (automatically selected for users with access to one firm),

Restricted products and restricted execution firms, appears as a list.

3. Select **!** (download) **Product Restrictions by Execution Firm.**



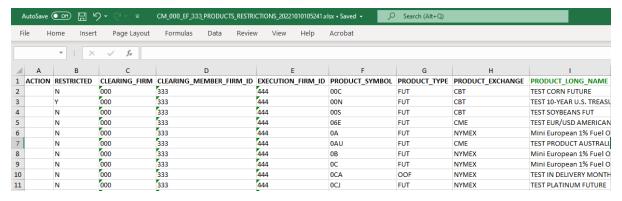
4. On the dialog that appears, select an Execution Firm to restrict, then select Download.



A MS Excel file is downloaded to the default browser folder (e.g. This PC > Downloads).

The file contains a list of eligible products for the selected Execution Firm.

5. Open the downloaded MS Excel spreadsheet, then update:



ACTION: Mark updated rows with "X".

The system processes only marked rows.

• RESTRICTED: Mark updated rows with "Y".

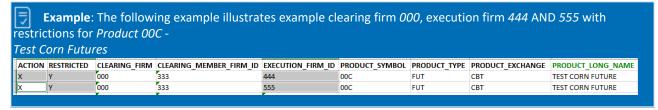
The system processes only marked rows.



Marking (RESTRICTED column) rows with "N" will remove restrictions and allow the product to be traded.

- CLEARING_FIRM: update if applicable
- CLEARING_MEMBER_FIRM_ID: update if applicable
- **EXECUTION_FIRM_ID**: *If applicable*. *Enter* the **Execution Firm(s)** to restrict.

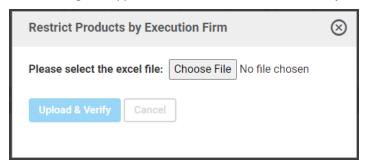
For the selected Clearing Firm, additional Execution Firm(s) and products can be entered.



Ensure the products to be restricted are designated before uploading:

- PRODUCT SYMBOL
- PRODUCT_TYPE
- PRODUCT EXCHANGE
- PRODUCT_LONG_NAME
- 6. Select **1** (upload) **Restrict Products by Execution Firm**.

On the dialog that appears, **Browse** to the file, then select **Upload & Verify**.



The system validates the file and a message indicates results; including rows and details to update (if applicable) before submitting.

- **Error**: When an error is detected a message appears and indicates a recommended resolution. Select **New**, then choose an updated spreadsheet.
- Success: After validation, a message indicates the updated rows and details.
- 7. To finalize, select **Submit**.

Allowing an account to trade restricted products

For execution firms with a restricted product policy, an authorized ICC clearing firm ICC or sub-clearing firm <u>administrator</u> can set product limits to allow a specified account to submit trades.

The following procedure applies to ICC authorized accounts associated with a restricted execution firm.



To allow an account to submit orders for restricted products:

- 1. Go to Account Management Service (AMS), search for an account, then enable product permissions.
- 2. Go to AMS <u>Credit Controls</u>, then specify Max Qty / Max Qty Short product / position limits.



Note: For submitted orders, the more restrictive account or clearing firm limit applies.

FX Link and FX Spot+ Credit Management

CME FX Link and FX Spot+ credit is managed through the Entity Risk Management (ERM) application. ERM allows Credit Risk Administrators to set and manage credit limits and monitor Credit Group utilization for both FX Link and FX Spot+ at the entity and firm level by product or Net Open Position (NOP).

NOP controls the aggregate net long and net short currency pair positions. It is applied to each currency pair, but enforced separately for each currency.

This guide describes features and functions used by Credit <u>Administrators</u> to navigate ERM and perform functions necessary for credit risk management, including:

- Accessing Spot FX Firm settings
- Spot FX and Trading Firm limits: At the <u>Spot FX</u> and/or <u>Trading</u> Firm (including <u>execution</u> firms associated with a trading firm) set product level (<u>Long/Short</u>) and/or <u>NOP</u> limits.



Note: Product level (Long/Short) and NOP limits are optional, however, at least one must be set to permit trad-

- Managing Thresholds and Alerts: Specify email addresses to receive a notification when a percentage (50-100%) of Spot FX, trading firm NOP and/or product limits have been breached.
- Account Setup

Support Resources

Related Resources

- Account Management Service (AMS): Create, view and manage accounts, including Spot FX firm associations with trading firms/account owners and execution firms (GFIDs).
- Risk Monitor: View daily account and Spot FX firm activity summary, view activated threshold alerts, audit trail of account / firm activity, list of rejected trades, account and Spot FX firm limit usage, as a chart or table.

Support

- For login or access issues, contact <u>Enterprise Application & System Entitlements (EASE)</u> or go to the <u>CME Group Login</u> page.
- For onboarding assistance and application functionality, contact Global Account Management.
- For credit questions or issues contact <u>FX Spot Credit</u>.
- For more details about credit functionality on CME FX Link and FX Spot+, refer to the <u>CME FX Link and FX Spot+</u> Credit Overview.

Spot FX Onboarding, Registration, and Support

Prior to requesting access and using the application, the following is required:

- A. CME Group Login ID: including multi-factor authentication
 - · Authenticates user access and application entitlements to ERM, AMS, Risk Monitor
 - Submitted on onboarding/access forms to identify Primary FX and Spot FX firms and users
- B. For security purposes, a Middle Office Admin Manager is required to submit an access request form.

If the firm does not have a Middle Office Manager, contact CME Global Account Management.

After completion of onboarding, admins and users will receive email notification and Spot FX firms will be available for management.

User Roles

Users will be assigned permission for roles that are suitable for their business function. The following roles are available:

- **Primary FX Firm Admin**: The Primary FX Firm, also known as Central FX Prime Broker (CFXPB), to manage bilateral FX physical settlement. A Primary FX Firm is the principal to all transactions. This model supports an all-to-all marketplace. The Primary FX Firm Admin users have full view and modification capabilities to set limits on each Spot FX Firm [Prime Broker (PB) or Direct Trading Participant].
- **Primary FX Firm Viewer**: The Primary FX Firm Viewer users have full view information capabilities to view limits on each Spot FX Firm (PB or Direct Trading Participant).
- **Spot FX Firm Admin**: The Spot FX Firm (PB or Direct Trading Participant) settles their transactions with the Primary FX Firm and their Trading Firms. The Spot FX Firm Admins are assigned limits from the Primary FX firm and in turn set limits on their Trading Firms. The Spot FX Firm are assigned limits from the Primary FX firm and in turn set limits on their Prime Clients.

The Spot FX Firm Admin users have full view and modification capabilities to set and view credit limits from their Spot FX Firm to related Trading Firms and to view limits assigned to their Spot FX Firm from the Primary FX Firm.

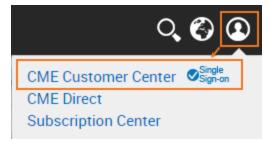
• **Spot FX Firm Viewer**: The Spot FX Firm Viewer users have full view information capabilities to view credit limits from their Spot FX Firm to related Trading Firms and to view limits assigned to their Spot FX Firm from the Primary FX Firm.

Log In



To login to Entity Risk Management:

1. Navigate to cmegroup.com., select the Login / Profile icon(), then select CME Customer Center (single sign on).



2. On the page that appears, enter the CME Group Login ID and Password, then select Login.



3. From the Portfolio & Risk tab, select Entity Risk Management.



Managing Trading Firm Limits

Primary FX Firm and Spot FX Firm Administrators and can set the following FX Spot+ credit limits at the firm level:

- Net Open Position (NOP): Controls the aggregate net long and short exposures with a counterparty.
- Max Qty Long and Max Qty Short: Limits the net long and short exposures in a currency pair.



Note: Long/Short and NOP limits are optional, however, at least one must be set to permit trading.

On entry, each order is credit checked against all applicable limits: Long/Short, NOP, or both.

For credit utilization examples using the **Net Open Position**, **Max Qty Long** and **Max Qty Short** settings, refer to the <u>CME FX</u> Link and FX Spot+ Credit Overview.

Setting Spot FX Credit Limits

When setting the **Net Open Position (NOP)** and **Max Qty Long** and **Max Qty Short** credit limits for FX Spot+ products, consider the following:



To allow trading NOP or Max Qty Long and Max Qty Short must be set.

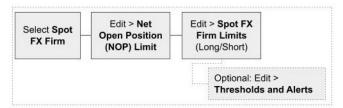
- A NOP value of "0" blocks all trading.
- A Max Qty Long and Max Qty Short value of "0" blocks trading in the currency pair.
- If a **NOP** credit limit is set for the firm and the **Max Qty Long** and **Max Qty Short** credit limits are "**Not Set**" for currency pairs, trading in each currency pair is limited by the **NOP** setting.
- Conversely, if limits are set for currency pairs and the **NOP** limit is "**Not Set**", trading in each currency pair is limited by their **Max Qty Long** and **Max Qty Short** limits.
- If both NOP and the Max Qty Long and Max Qty Short limits are set, trading in each currency pair is limited by the
 most restrictive setting.
- If the NOP setting is reduced to "0" after a position is established, only risk-reducing orders are allowed. If both the
 Max Qty Long and Max Qty Short limits are reduced to "0" for a currency pair after a position is established, only risk reducing orders for the currency pair are allowed.

The Primary FX Firm Administrator sets limits for each Spot FX Firm or Direct Trading Participant, which in turn sets limits for Trading Firms and Execution Firms and accounts. A Trading Firm is a collection of Execution Firms (GFIDs) to which a Spot FX Firm allocates credit; this could be a Prime Client or a Direct Trading Participant.

- Managing Spot FX Firm
- Managing Trading Firm

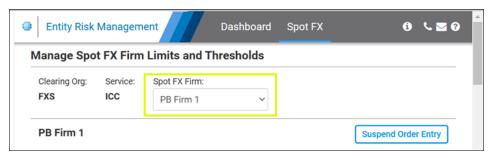
Setting Credit Limits for Spot FX Firms

As a Primary FX Firm Administrator, use the following procedure to select a Spot FX Firm (Prime Broker or Direct Trading Participant), set thresholds and alerts, and set credit limits for the firm.

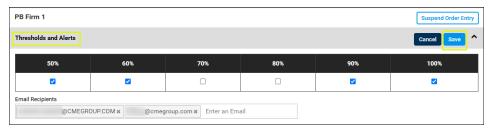


To set credit limits for a Spot FX Firm:

- 1. From the Entity Risk Management menu, select Spot FX.
- From the Spot FX page, select the Spot FX Firm to view / manage.If you are entitled for one Spot FX firm, it is automatically selected.



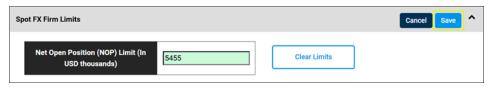
3. In the **Thresholds and Alerts** pane, set email alerts for up to 20 email recipients when the Spot FX firm uses a select percentage of its limit thresholds (settings from 50% to 100%), then select **Save**.



4. Select **Edit** in the **Spot FX Firm Limits** pane.



5. Enter a Net Open Position (NOP) Limit.



Note: Limits are set in USD thousands equivalent. In the above NOP Limit example: 5455 = \$5,455,000 USD

If you set a NOP limit, it will be applied to all selected product groups and products (currency pairs).

Note: If you select Clear Limits, all currency pair values for the Max Qty Long and Max Qty Short are cleared (the NOP value is not cleared).

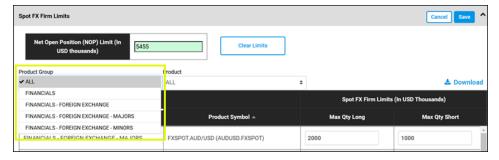
The NOP limit must be set before clearing any currency pair limits. When attempting to clear Product limits, if NOP limit is not set, a dialog will appear.

Invalid Product Limits

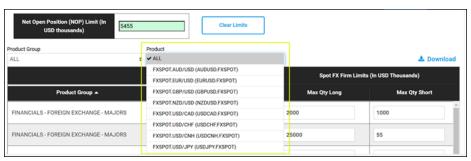
NOP limit must be set prior to clearing currency pair limits.

6. Select Spot FX product groups and currency pairs.

In the **Product Group** field, select a one or more Product Groups or select **ALL**.

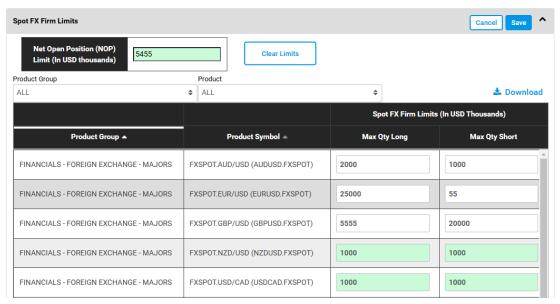


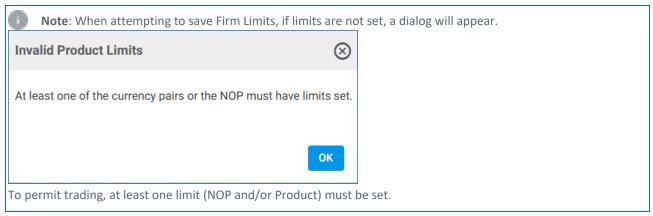
In the **Product** field, select one or more Spot FX currency pairs or select **ALL**.



7. To set a credit limit per currency pair, enter a Max Qty Long and Max Qty Short value for each pair.







8. To finalize, select **Save**.

The NOP and Max Qty Long/Short credit limits are set for all selected currency pairs for the Spot FX firm.

Setting Credit Limits for Trading Firms

As a Spot FX Firm (Prime Broker or Direct Trading Participant) administrator, use this procedure to access the Spot FX Firm page to link Trading Firms, set up the relationship with Execution Firm(s), create an account if needed, and set credit limits for the Trading Firm.



To set credit limits for a Trading Firm, you must first link the Trading Firm and its accounts.

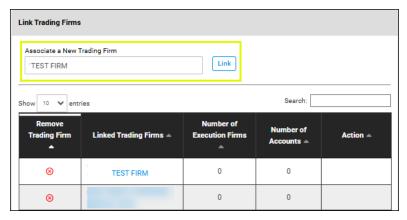


To set credit limits for Trading Firms:

- 1. From the Entity Risk Management menu, select Spot FX.
- From the Spot FX page, select the Spot FX Firm to view / manage.If you are entitled for one Spot FX firm, it is automatically selected.



3. In the Link a Trading Firms field select / link a trading firm, then select Link.

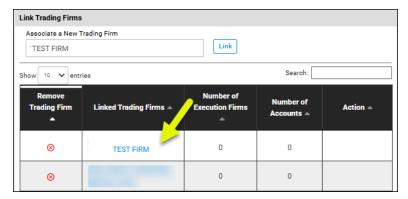


As you type, trading firms appear in a list; select from available options.

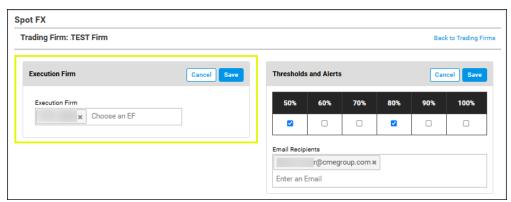
A confirmation message indicates successful linking and the Trading firm is added to the list of linked firms.



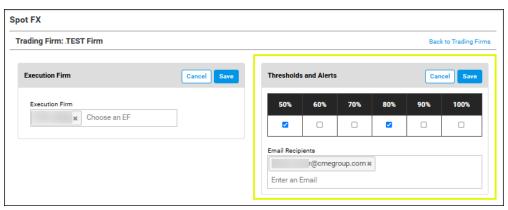
4. Select the linked Trading Firm.



5. To add or change the Execution Firm pane, select **Edit**, then specify **Execution Firm(s)** to link, then select **Save**.



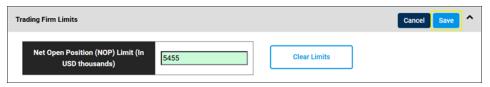
- 6. If the linked Trading Firm does not have an account, <u>create the account</u> in the **Account Management Service**. A registered account that is linked to a Trading firm, Executing Firm and Spot FX Firm is required on every order.
- 7. In the **Thresholds and Alerts** pane, set email alerts for up to 20 email recipients when the firm uses a select percentage of its limit thresholds (settings from 50% to 100%).



8. Select Edit in the Spot FX Firm Limits pane.



9. Enter a Net Open Position (NOP) Limit.



Note: Limits are set in USD thousands equivalent. In the above NOP Limit example: 5455 = \$5,455,000 USD

If you set a NOP limit, it will be applied to all selected product groups and products (currency pairs).

Note: If you select Clear Limits, all currency pair values for the Max Qty Long and Max Qty Short are cleared and updated to Not Set (the NOP value is not cleared).

| Spot FX Firm Limits (In USD Thousands)
| Product Group A Product Symbol A Max Qty Long Max Qty Short
| FINANCIALS - FOREIGN EXCHANGE - MAJORS | FXSPOT.AUD/USD (AUDUSD.FXSPOT) | Not Set | Not Set |

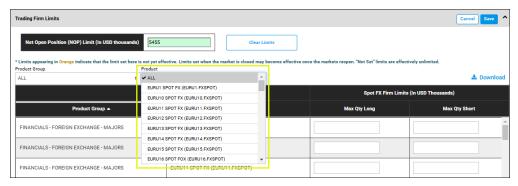
10. Select product groups and currency pairs.

In the Product Group field, select a one or more Product Groups or select ALL.

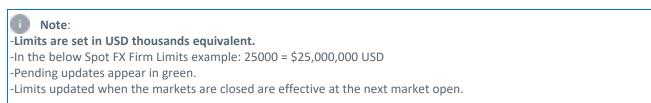
The NOP limit must be set before clearing any currency pair limits.

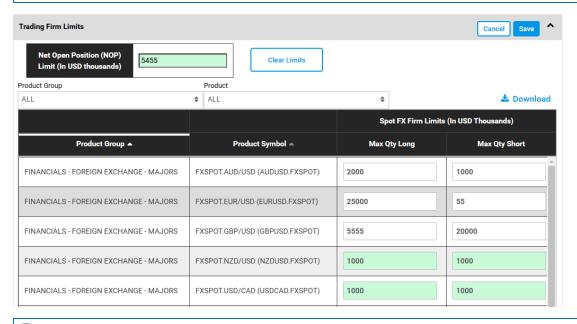


In the **Product** field, select one or more currency pairs or select **ALL**.



11. To set a credit limit per currency pair, set a Max Qty Long and Max Qty Short value for each pair.





Note: Pending updates appear in green.

Limits updated when the markets are closed are effective at the next market open.

12. To finalize, select **Save**.

The NOP credit limit is set and will be applied to all selected product groups and currency pairs for the Trading Firm and associated Execution Firm and account.

Managing Trading/Executing Firms

Primary FX and Spot FX Firm administrators can perform the following tasks to manage their clients:

- Download credit limits
- Suspend order entry
- Remove a linked Trading Firm (FX Spot Firm Administrator)
- · Monitor credit usage

Downloading Credit Limits

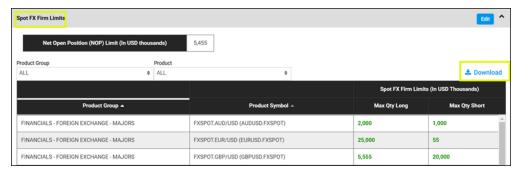
The following administrators can download credit limits set for a FX Spot Firm or Trading Firm:

- Primary FX Firm administrators can download credit limits for each individual FX Spot Firm (Prime Broker/Direct Trading Participant).
- FX Spot Firm administrators can download credit limits for each individual linked Trading Firm.

To download credit limits:

- 1. From the Entity Risk Management menu, select Spot FX.
- 2. From the Spot FX page, select the **Spot FX Firm** to view / manage.
- 3. Download the credit limits set for the selected firm.

As a Primary FX Firm Administrator, select **Download** in the Spot FX Firm Limits pane.



As a FX Spot Firm Administrator, select **Download** in the **Trading Firm Limits** pane.



The FXSpot.csv file containing the credit limits is downloaded to your local drive.

For example, the following CSV file shows credit limits set for a FX Spot Firm set by the Primary FX Firm.



Suspending Order Entry

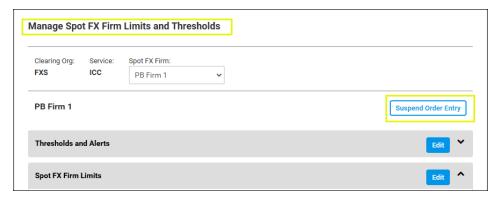
Primary FX and Spot FX Firm administrators can suspend new order entry for FX Spot+ products:

- Primary FX Firm administrators can suspend/allow trading for a Spot FX Firm. Trading Firms is still permitted, but order entry will be suspended.
- FX Spot Firm administrators can suspend/allow order entry for linked Trading firms, associated Execution Firms, and accounts.

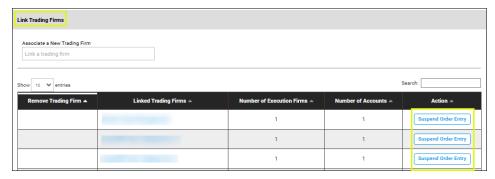
To suspend order entry:

- 1. From the Entity Risk Management menu, select **Spot FX**.
- 2. From the Spot FX page, select the **Firm** to view / manage.
- 3. Suspend order entry for the FX Spot Firm or Trading Firm.

As a Primary Firm Administrator, select **Suspend Order Entry** for the Spot FX firm selected in the **Manage Spot FX Firm Limits and Thresholds** pane.



As a FX Spot Firm Administrator, select **Suspend Order Entry** for the Trading Firm(s) displayed in the **Link Trading Firms** pane as needed.



4. Select OK to confirm.



Order entry is suspended for the firm. Select Allow Order Entry to restore trading as needed.



When trading is suspended, new Globex orders will be rejected.

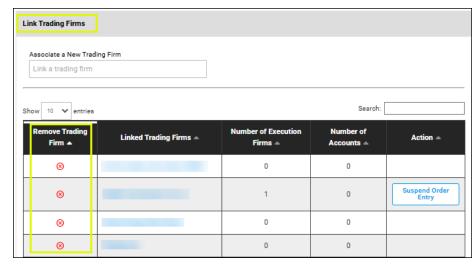
To cancel working / resting orders, an authorized Spot FX user must contact the GCC.

Removing (Unlinking) a Trading Firm

Spot FX Firm administrators can unlink Trading Firms and their associated Execution Firms and accounts to remove the trading relationship with a firm.

To remove (unlink) a Trading Firm:

- 1. From the Entity Risk Management menu, select **Spot FX**.
- 2. From the Spot FX page, select the **Firm** to view / manage.
- 3. In the Link Trading Firms pane, select the delete icon "o" to remove a linked Trading Firm.



Trading firms with a delete icon are not linked to execution firms with accounts and can be removed.

In the **Remove Trading Firm Link** popup, select **OK** to confirm.



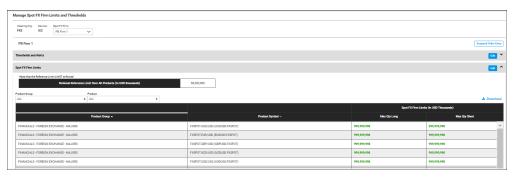
The Trading Firm is unlinked from the Spot FX Firm.

Monitoring FX Spot Credit Usage

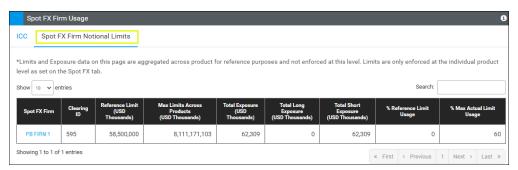
Primary FX and Spot FX Firm administrators can monitor account and firm trading activity, including usage against maximum permissible limits. In <u>Risk Monitor</u>, the **Spot FX Firm Usage** pane on the Dashboard shows the amount of credit used per FX Spot Firm or Trading Firm. The following example shows the percentage of credit used by FX Spot Firms managed by a Primary FX Firm.



Selecting the Clearing ID/Firm name below the chart will link you back to Entity Risk Manager to view or adjust credit limits for the Spot FX Firm as shown.



In the **Spot FX Firm Usage** pane in Risk Monitor, selecting **Spot FX Firm Notional Limits** displays the firm credit usage in notional terms.



Managing Thresholds and Alerts

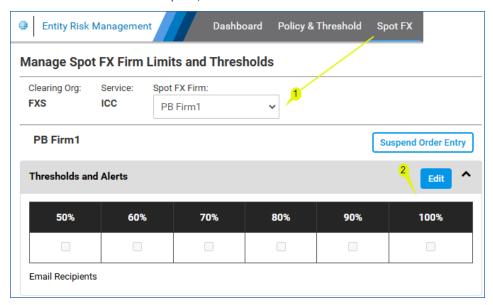
Authorized Spot FX users can set thresholds to receive an email alert when a percentage (50-100%) of Spot FX and trading firm NOP and product limits have been breached.

Spot FX Firm Thresholds and Alerts



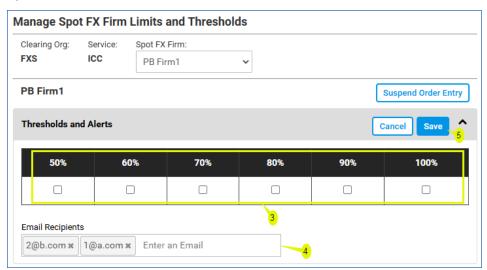
To manage Spot FX firm thresholds:

- 1. Select the **Spot FX** menu, then select a **firm** from the drop-down menu.
- 2. On the Thresholds and Alerts pane, select Edit.



- 3. On the edit dialog that appears, select **thresholds** at which to be notified.
- 4. Enter individual email addresses, followed by the ENTER key.

Up to 20 email addresses can be added.

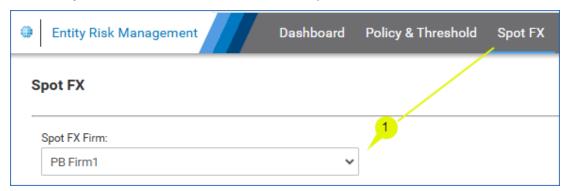


5. After completing threshold and alert entry, select **Save**.

Trading Firm Thresholds and Alerts

To manage trading firm thresholds:

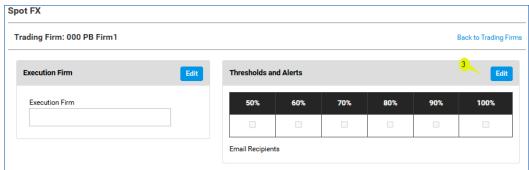
1. Select the **Spot FX** menu, then select a firm from the drop-down menu.



2. On the Link Trading Firms pane, select a blue linked trading firm to manage.



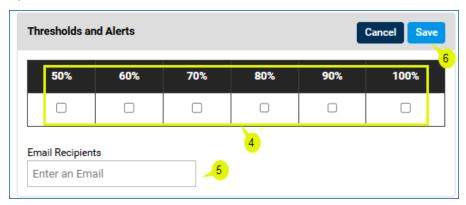
3. On the screen that appears, on the *Thresholds and Alerts* pane. select the **Edit** button .



4. On the edit dialog that appears, select **thresholds** at which to be notified.

5. Enter individual email addresses, followed by the **ENTER** key.

Up to 20 email addresses can be added.



6. After completing threshold and alert entry, select **Save**.

* Alert settings are not yet effective. If CME Globex markets are closed, updates are effective at the next market open.

Account Setup

Creating a FX Spot Account

Following <u>Trading and Execution</u> Firm and <u>limits</u> setup, before the entity is authorized to submit orders, use Account Management Service to create an account associated with the Execution Firm.

The following instructions illustrate the process to create a clearing account, entitled for Inline Credit Controls (ICC) and used for FX Spot+.

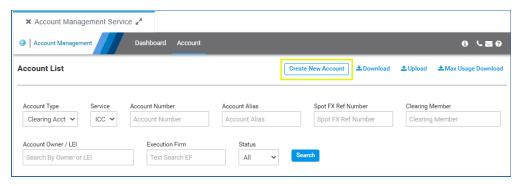


After creating a ICC enabled account, FX Spot requires a Central FX Prime Broker to use Entity Risk Manager to <u>associate a trading firm</u> with the CME Globex Executing firm(s).

To create a trading account:

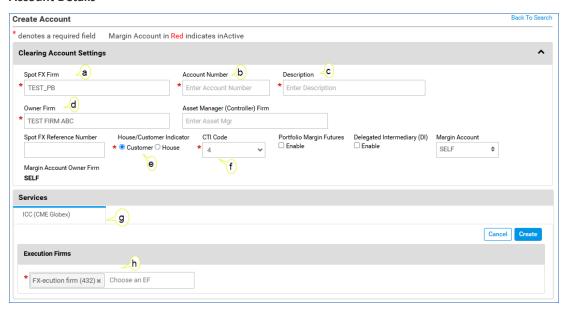
1. From Account Management Service, perform an account search.

If the account does not exist, select Create New.



2. On the page that appears, enter account details.

Account Details

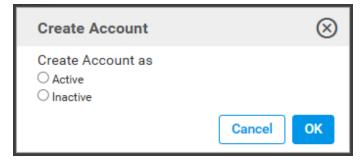


- a. Clearing Member: Enter the name of the FX Spot Firm submitted on the onboarding form.
 - The field name updates to FX Spot Firm.
- b. **Account Number**: Unique and existing account numbers not linked to the GFID/Execution firm may be used. This account **must** be present on every order.
 - For EBS GFIDs, use the recommended name format: "GFIDFXSpot".
- c. **Description**: Specify details to identify the firm or its purpose.
- d. **Owner Firm**: Refers to the *Trading Firm* associated with the FX Spot Firm, as submitted on onboarding forms.
- e. **Customer/House**: (default is Customer) Indicates whether the account represents customer segregated funds or house funds.
- f. **CTI Code**: **CTI1** An individual member trading for her or her own account, **CTI2** A member firm trading for its proprietary account, **CTI3** A member firm trading for another member, **CTI4** (default) All other individuals.
- g. **Service**: For FX Spot, the only available option is ICC (CME Globex).
- h. **Execution Firms**: Select the execution firm that was submitted on onboarding forms and setup by CME Group to be selectable from the list.

Available options and required details [indicated by a red asterisk (*)] are dependent on selected firm and service.



3. After entering account details, select Create, then select to create Active or Inactive (to activate later).

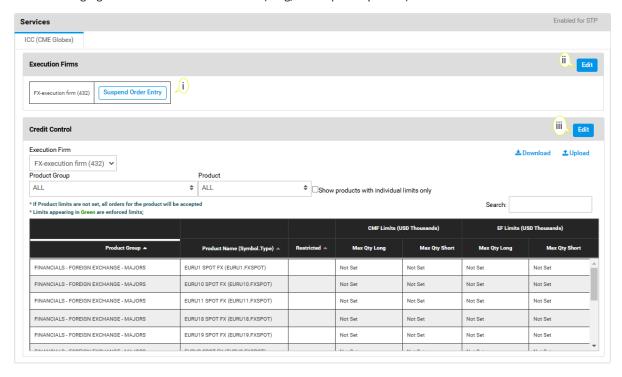


ERM includes additional functions to suspend order entry and manage long/short firm limits at the Spot FX firm level.

Additional Account Functions

From the AMS > Services screen, authorized admin users can also manage account-level settings, including:

- i. Suspending Execution Firm order entry,
- ii. Editing Account details or
- iii. Managing account-level credit controls (long/short quantity limits).



Support Resources

- For login or access issues, contact Enterprise Application & System Entitlements (EASE) or go to the CME Group Login page.
- For onboarding assistance and application functionality, contact <u>Global Account Management</u>. For credit questions or issues contact FX Spot Credit.

User Max Qty Limits

Use User Max Qty Limits to view and manage maximum allowable CME Direct order limits for the following order types: outright, intra-commodity spreads, strips and inter-commodity spreads. Orders in excess of set limits will be rejected.

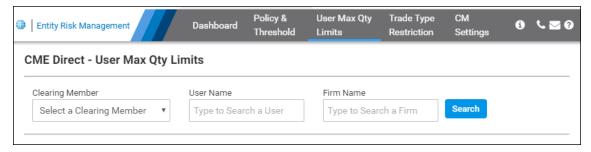


To view and manage User Max Qty Limits:

1. Select the User Max Qty Limits menu, then perform a search.

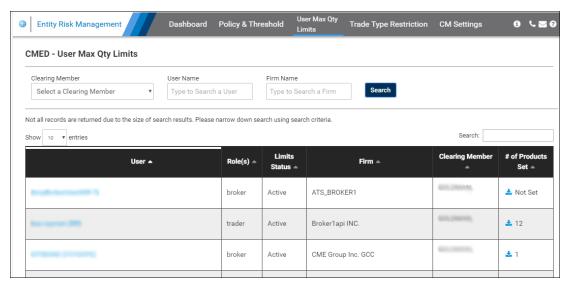
Available criteria:

- Clearing Member
- User Name
- Firm Name



Search results include the following:

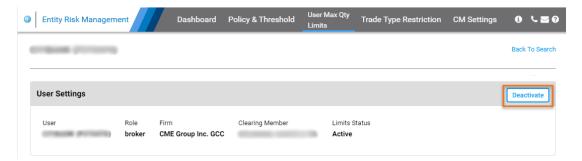
- User: User name (Account Number).
- Role: Trader or Broker.
- Limits Status: Indicates if limits are active / inactive.
- Firm: User's firm.
- Clearing Member: Clearing firm that clears the user's trades.
- # of Products Set: Products with limits.



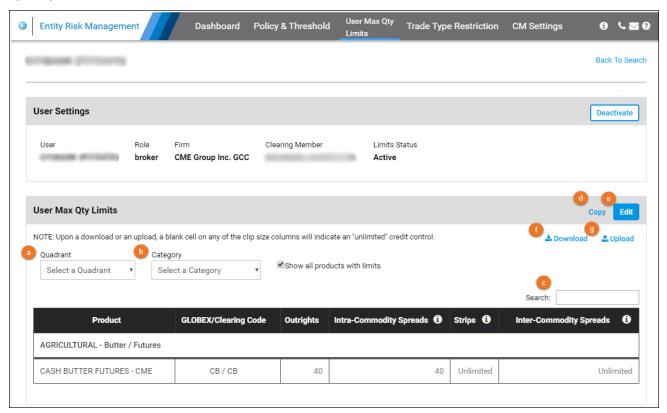
- 2. To edit user information **select** the **blue** hyperlink user name.
- 3. Select from the following functions:

User Settings

Deactivate: From the User Settings pane, select to Deactivate / Activate.
 Prevent or Allow the selected user from submitting trades to the CME Globex platform.



<u>User Max Qty Limits</u> - Specify or copy product limits from an existing user, to another user or update multiple via the upload process.

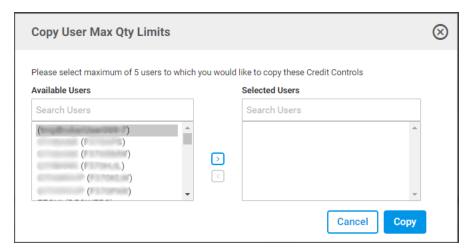


Filter

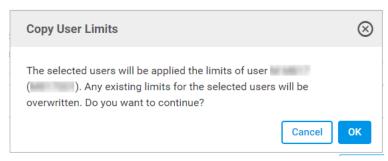
- a. **Quadrant**: Filter by product quadrant, filters available Category selections.
- b. Category: Filter by product category, automatically selects the Quadrant.
- c. Show all products with limits: Limit the product list only to products with limits. only these products.

User Max Qty Limit functions

d. Copy: Copy product limit settings for the current user, then apply to a maximum of five selected users.

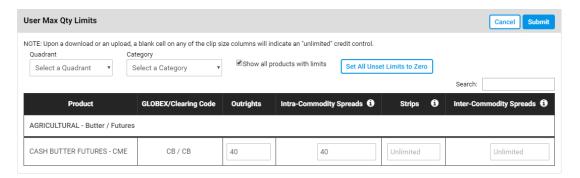


After selecting and copying to the selected user(s), select the confirmation dialog to continue.



e. Edit: Set maximum quantity per order limits, then select Submit to finalize.

To prevent order entry for the specified product and order type, enter a limit of zero (0). Orders in excess of the set limits will be rejected.



Spreads: Spread limits apply only to spread orders, not the component legs. If only Outright limits are set, limits will impact spread orders by extending the limit to each component leg of a strategy.

Example: If Crude Oil / Futures have an Outright limit of 100 and all spread limits are "unlimited", any attempts to submit a 100-lot butterfly in Crude Oil / Futures would fail because the component legs would be treated as an individual order and validated against the Maximum Order Quantity limit. Leg 1 has a quantity of 100; Leg 2 has a quantity of 200 and Leg 3 has a quantity of 100. Leg 2 violates the limit, so the order may not be submitted.

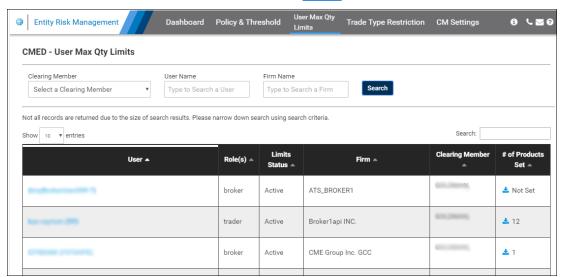
- f. Download: View a single user's limits by downloading product settings in a spreadsheet.
- g. Upload: After downloading and updating the product limits spreadsheet, upload to update multiple user limits.

Multiple User Limits - Upload

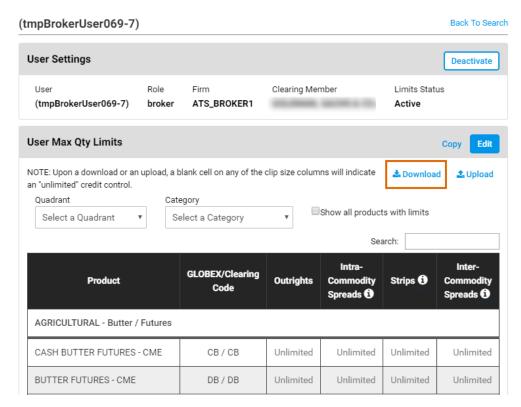
Manage multiple user limits by downloading product settings as a spreadsheet, updating product limits, then uploading.

To update multiple user limits:

1. Select the User Max Qty Limits menu, then perform a search.



- 2. From the search results, select a User.
- 3. From the User Max Qty Limits pane, select Download.



Default User settings are filtered to show only products with individual limits, but the downloaded spreadsheet includes all available products.

4. Open the spreadsheet, enter necessary product limits updates; Outrights, Intra-Commodity Spreads, Strips, Inter-Commodity Spreads.

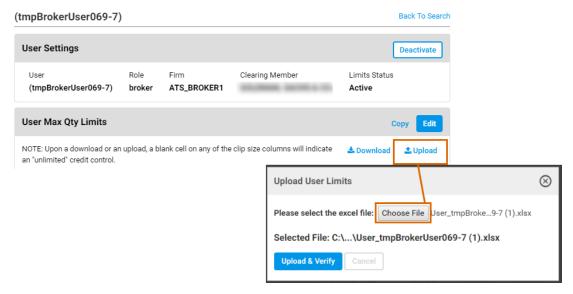


Note: To add users, copy and paste a row, then update the differences.

5. For updated rows, enter **X** in the **ACTION** column, then **Save**.

1	Α	В	С	D	E	F	G	Н	1	J	K	L	M	N	0
1	ACTION	CLEARING_ FIRMNAME	USERNAME	FIRMNAME	CLEARING _CODE	PRODUCT _TYPE	PRODUCT_ EXCHANGE	OUTRIGHTS	INTRA_COM MODITY_SPR EADS	1	INTER_COM MODITY_SPR EADS	PRODUCT_NAME	GLOBEX_ SYMBOL	QUADRANT	CATEGORY
2	x	123	tmpBrokerUs	ATS BROKE	СВ	FUT	CME	10)			CASH BUTTER FUTU	CB	AGRICULTUR	Butter
3	x	123	tmpBrokerUs	ATS_BROKE	DB	FUT	CME		10)		BUTTER FUTURES	DB	AGRICULTUR	Butter
4		123	tmpBrokerUs	ATS_BROKE	СВ	OOF	CME			n/a	n/a	CASH BUTTER OPT	СВ	AGRICULTUR	Butter
5		123	tmpBrokerUs	ATS_BROKE	DB	OOF	CME			n/a	n/a	BUTTER OPTIONS	DB	AGRICULTUR	Butter
6	x	123	tmpBrokerUs	ATS_BROKE	CSC	FUT	CME			10)	Cash-Settled Chees	CSC	AGRICULTUR	Cheese
7		123	tmpBrokerUs	ATS_BROKE	CSC	OOF	CME			n/a	n/a	Cash-Settled Chees	CSC	AGRICULTUR	Cheese
8		123	tmpBrokerUs	ATS_BROKE	CCC	FUT	CCE				10	Cocoa Financial Fu	CCC	AGRICULTUR	Cocoa

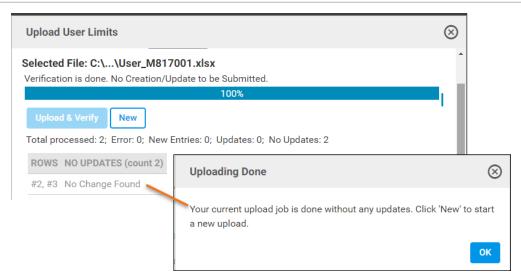
6. From the User Max Qty Limits pane, select Upload, then Choose / Browse to the file.



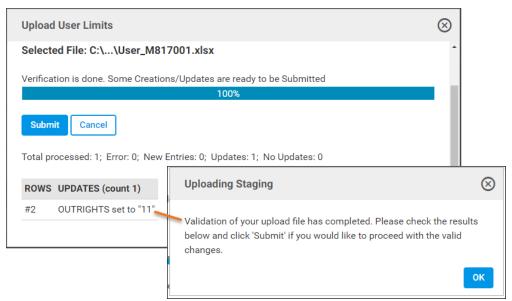
7. Select Upload & Verify

The system validates submissions and a message indicates validation results; including rows and details to update (if applicable) before submitting.

• **Error**: When an error is detected a message appears and indicates a recommended resolution. Select **New**, then choose an updated spreadsheet.



• Success: After validation, a message indicates the updated rows and details.



9. To finalize, select Submit.

Trade Type Restriction

Use Trade Type Restriction to view trading firm trade type restrictions and restrict CME ClearPort enabled trading firms from submitting block trades.



Note: Account based trade type restriction is managed with Account Management Service.



To manage Trade Type Restrictions:

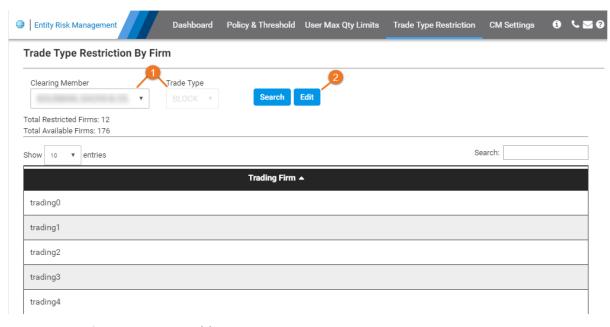
1. Select the **Trade Type Restriction** menu, then perform a **search**.

Available criteria:

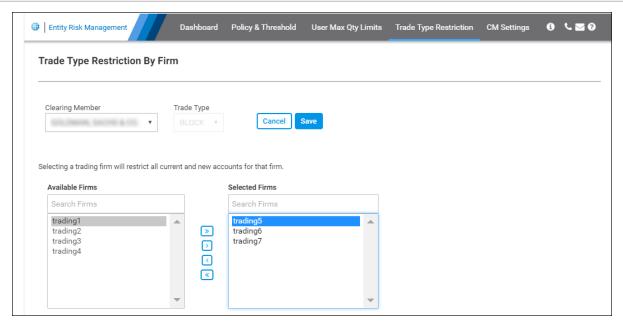
- Clearing Member: Available selections are based on Clearing Firm entitlements.
 For the selected Clearing Member, view trading firms that have been restricted from block trade type.
- Trade Type: Block is the default selection.

For the selected Clearing Member Firm, a total of available firms is indicated and restricted trading firms appear in a list.

2. Select Edit.



3. Select and add from Available Firm(s).



- D: Add selected
- D: Add All
- C: Remove selected (from Selected Firms pane)
- 4. To finalize, select **Save**.

CM Settings

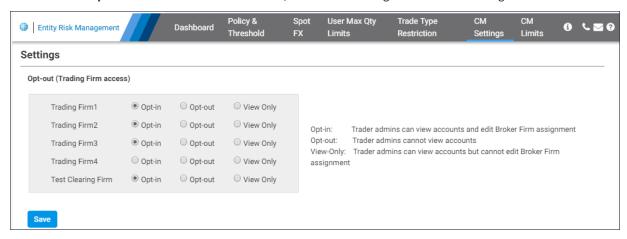
Use the CM Settings to manage trading firm entitlements to view account credentials.

To manage CM Settings:

1. Select the CM Settings menu.

On this page, view a list of Clearing member firms for which you are entitled, for CME ClearPort / CME Globex clearing firm admins.

- 2. Select a clearing firm to manage trading firm access:
 - Opt-in: Default, Trader admin can view account and manage broker firm assignment.
 - Opt-out: Trader admin cannot view account or manage broker firm assignment.
 - View-only: Trader admin can view accounts, but cannot manage broker or firm assignment



3. To finalize, select Save.