AutoCert+ CME STP FIX BrokerTec Recovery
User Manual

30 July 2025

Disclaimer

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 All matters pertaining to rules and specifications herein are made subject to and are superseded by official CME, CBOT and NYMEX rules.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.

Table of Contents

Getting Started

The AutoCert+ tool is an automated testing tool for validating application functionality. It provides a web interface for using CME Group certification scenarios.

To facilitate the process of connecting a customer application to CME Globex, CME Group provides a dedicated certification environment to allow customers to test their systems before they complete certification.

This user manual accompanies the AutoCert+ CME STP FIX BrokerTec Recovery test suite for certifying your application. This test suite provides recovery tests for missed trades in the event of a session disconnect or outage, and is supplemental to the core CME STP FIX for BrokerTec test suite.

Accessing and Navigating AutoCert+

▷ **To access and navigate AutoCert+:**

1. Log into the automated certification tool.

2. Review general AutoCert+ test suite navigation and general interview information.

3. To access the AutoCert+ CME STP FIX BrokerTec Recovery test suite, select the following settings on the **Current Testing Configuration** screen.

   a. **Company Name**: Select a company profile.

   b. **Market**: Select "BrokerTec EU/US".

   c. **Purpose**: Select "CME STP".

   d. **Application System**: Select a test system. Use the refresh (🔃) button to update the list to include a recently created application.

   e. **Test Suite**: Select "CME STP FIX Recovery".

   f. **API ID**: Select an API ID and select **Assign**.

4. Complete the Interview for this test suite.

5. Complete the applicable test cases in the Test Suite.

6. Complete the certification process from the Post Certification tab.

What's New

The following table shows the updates made to the AutoCert+ CME STP FIX BrokerTec Recovery Help system.

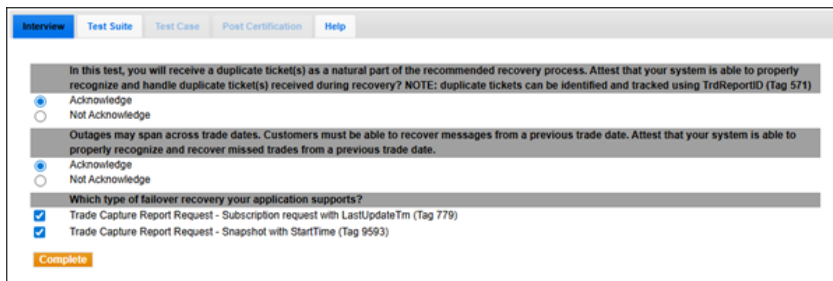| Date	Topic(s)	Description
30 Jul 2025	All	Initial release

Interview

The interview consists of a series of questions about your trading application. Based on your responses, certain questions and tests are required and others are optional. You must complete the pre-certification interview before running the test suite.

▷ **To complete the interview:**

1. Select the **Interview** tab.

2. Answer each question and click the **Complete** button.

    After completing the interview, proceed to the Test Suite.

Test Suite

Use the **Test Suite** tab to select and run the **CME STP FIX Recovery Certification Tests** required to certify your application. You are required to select and run each test in the test suite.

The following test cases are available based on your [Interview](#) responses.

- [Subscription Failover Recovery Test](#)
- [Snapshot Failover Recovery Test](#)

Subscription Failover Recovery Test

The purpose of this test is to verify that the client system can recover all missed trades in case of a disconnect or outage. The test uses LastUpdateTime (Tag 779) to help recover missed trades.

This test is mandatory if you selected "Trade Capture Report Request - Subscription request with LastUpdateTm (tag 779)" in the interview question "Which type of recovery does your application support?"

▷ **To run the test**

1. Use the **Instrument(s)** drop down menu to choose an instrument and channel and click **SELECT**.

2. Select **START TEST**.

> ⓘ **Note**: Do not select **START TEST** while a test is running unless instructed to do so. Restarting a test deletes the current test results.

3. Submit an unfiltered Trade Capture Report subscription request (263=1). If using Tag 779, please use the current time.

4. Receive Trade Capture Report messages. Validate LastUpdateTm (Tag 779) from the last trade received.

5. Reinitiate the connection and request trades using a subscription request (263=1) and LastUpdateTm (Tag 779) that is at least one minute prior to the LastUpdateTm of the last trade received in step 4.

6. Select **Yes** or **No** to confirm that your system received additional new Trade Capture Report messages along with one or more previously sent Trade Capture Reports, including a duplicate report from step 4.

Snapshot Failover Recovery Test

The purpose of this test is to verify that you can recover all missed trades in case of a disconnect or outage using the Snapshot recovery process. The test uses StartTime (Tag 9593) to recover missed trades.

This test is mandatory if you selected "Trade Capture Report Request - Snapshot with StartTime (tag 9593)" in the interview question "Which type of recovery does your application support?"

▷ **To run the test**

1. On the **Test Case** tab, use the Instrument(s) drop down menu to choose an instrument and channel and click **SELECT**.

2. Select **START TEST**.

> ⓘ **Note**: Do not select **START TEST** while a test is running unless instructed to do so. Restarting a test deletes the current test results.

3. Submit an unfiltered Trade Capture Report subscription request (263=1). If using Tag 779, please use the current time.

4. Receive Trade Capture Report messages. Validate LastUpdateTm (Tag 779) from the last trade received.

5. Reinitiate the connection and request trades using a Snapshot request (Tag 263=0) and StartTime (Tag 9593) that is at least one minute prior to the LastUpdateTm (Tag 779) of the last trade received in step 4.

6. Select **Yes** or **No** to confirm that your system received additional new Trade Capture Report messages along with one or more previously sent Trade Capture Report messages, including a duplicate message from step 4.