

AutoCert+ CME STP FIX BrokerTec Recovery User Manual

30 July 2025



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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

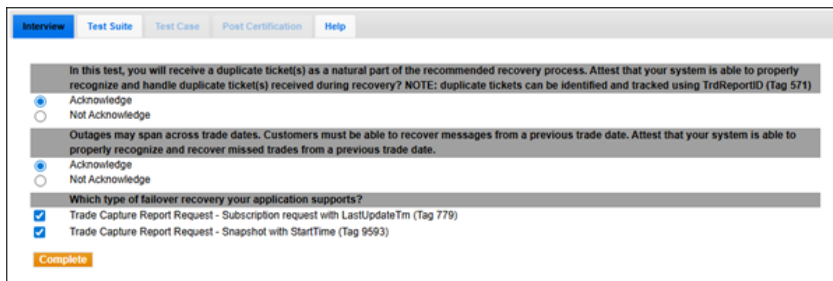
Interview

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](#).



The screenshot shows the 'Interview' tab selected in a navigation bar. The form contains three questions with radio button or checkbox options. The first question is about duplicate tickets, the second is about outages, and the third is about failover recovery. The 'Complete' button is at the bottom.

Interview | Test Suite | Test Case | Post Certification | Help

In this test, you will receive a duplicate ticket(s) as a natural part of the recommended recovery process. Attest that your system is able to properly recognize and handle duplicate ticket(s) received during recovery? NOTE: duplicate tickets can be identified and tracked using TrdReportID (Tag 571)

☒ Acknowledge
☐ Not Acknowledge

Outages may span across trade dates. Customers must be able to recover messages from a previous trade date. Attest that your system is able to properly recognize and recover missed trades from a previous trade date.

☒ Acknowledge
☐ Not Acknowledge

Which type of failover recovery your application supports?

☒ Trade Capture Report Request - Subscription request with LastUpdateTime (Tag 779)
☒ Trade Capture Report Request - Snapshot with StartTime (Tag 9593)

Complete

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.

Current Testing Configuration

Tester:

Company Profile:

Market:

Purpose:

Application System:

Test Suite:

Type:

Category:

1603:

1604:

1605:

NOTE: This test suite utilizes the NEWRELEASE environment.

API ID:

API_ACP_BTUS1

UNASSIGN

Test Suite Status:

Pre-Certification Interview:

Test Suite Status:

Interview

Test Suite

Test Case

Post Certification

Help

CME STP FIX Recovery Certification Tests	Retest	Flag	Status	Mandatory/Optional	Executed By
Subscription Failover Recovery Test			Not Tested	Mandatory	Not Available
Snapshot Failover Recovery Test			Not Tested	Mandatory	Not Available

REFRESH

Key: @ not tested ● complete ● pending ● failed

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**.

Steps of the test: Subscription Failover Recovery Test

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step1.

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

Instrument(s): Select Instrument(s) - Channel Select

2. Select **START TEST**.

Steps of the test: Subscription Failover Recovery Test

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step1.

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

Selected Instrument(s): U03:25:5HKZ8C3QS - 516 Unlock

Category	Value
AutoCert+ Target URL	https://autocertfixstprn.cmegroup.com
AutoCert+ Target IP	
AutoCert+ Target Port	

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Test Not Running

Description	Flag	Status
1 Submit an unfiltered TradeCaptureReport subscription request (263=1). If using Tag 779, please use current time.	●	Not Tested
2 Receive TradeCaptureReport messages. Validate LastUpdateTm (tag 779) from the last trade received.	●	Not Tested
3 Reinitiate your connection and request trades using LastUpdateTm (tag 779) that is at least one minute prior to the LastUpdateTm of the last trade received in step 2.	●	Not Tested
4 Receive additional new TradeCaptureReport messages along with one or more previously reported TradeCaptureReport messages. Confirm receiving a duplicate TradeCaptureReport from step 2.	●	Not Tested

Key: ● not tested ● complete ● pending ● failed

(Test results will automatically refresh for up to 2 minutes)

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**.

Interview Test Suite **Test Case** Post Certification Help

Steps of the test: Snapshot Failover Recovery Test

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step1.

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

Instrument(s): (Select Instrument(s)) - Channel Select

2. Select **START TEST**.

Interview Test Suite **Test Case** Post Certification Help

Steps of the test: Snapshot Failover Recovery Test

This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step1.

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

Selected instrument(s): SC02_4_3R_0726 - 490 Unlock

Category	Value
AutoCert+ Target URL	https://autocertfixtrn.cmeigroup.com
AutoCert+ Target IP	
AutoCert+ Target Port	

Note: Press the Start Test button to start or restart a Test. Please do not press the Start Test button again if you are currently running this test.

START TEST

Test Not Running

Description	Flag	Status
1 Submit an unfiltered Trade Capture Report subscription request (Tag 263=1). If using tag 779, please use current time, as per the specs.	⚪	Not Tested
2 Receive TradeCaptureReport messages. Validate LastUpdateTm (tag 779) from the last trade received.	⚪	Not Tested
3 Reinitiate your connection and request trades using Snapshot request (Tag 263=0) and StartTime (Tag 9593) where StartTime is at least one minute prior to the LastUpdateTm (Tag 779) of the last trade received in step 2.	⚪	Not Tested
4 Receive additional new TradeCaptureReport messages along with one or more previously reported TradeCaptureReport messages. Confirm receiving a duplicate TradeCaptureReport from step 2.	⚪	Not Tested

(Test results will automatically refresh for up to 2 minutes)

Key: ⚪ not tested ● complete ⚪ pending ● failed

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.