

# AutoCert+ CME STP FIX 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 Recovery test suite for certifying your application. This test suite provides a recovery test for missed trades in the event of a session disconnect or outage, and is supplemental to the core CME STP FIX test suite for Futures and Options certification.

## 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 Recovery test suite, select the following settings on the **Current Testing Configuration** screen.
  - a. **Company Name:** Select a company profile.
  - b. **Market:** Select "Futures & Options".
  - c. **Purpose:** Select "CME STP".
  - d. **Application System:** Select a test system.
  - e. **Test Suite:** Select "CME STP FIX Recovery".
  - f. **API ID:** Select an API ID and click **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 Recovery Help system.

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

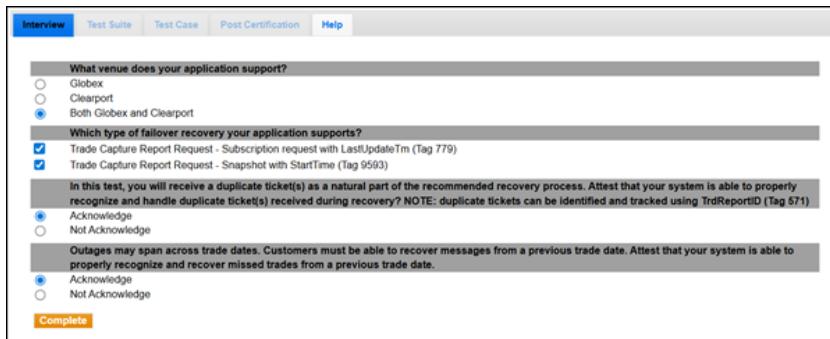
## Interview

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 several questions with radio buttons and checkboxes. The 'Complete' button is at the bottom.

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

**What venue does your application support?**

- ☐ Globex
- ☐ Clearport
- ☒ Both Globex and Clearport

**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)

**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 671)**

- ☒ 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

**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:

ASSIGN

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
<a href="#">Subscription Failover recovery test</a>			Not Tested	Mandatory	Not Available
<a href="#">Snapshot Failover recovery test</a>			Not Tested	Mandatory	Not Available

REFRESH

Key: not tested complete pending failed

The following test case is available based on your [Interview](#) responses.

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

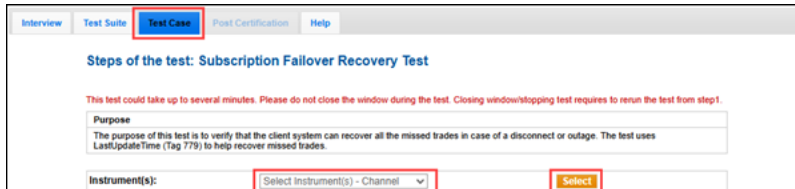
# Subscription Failover Recovery Test

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.

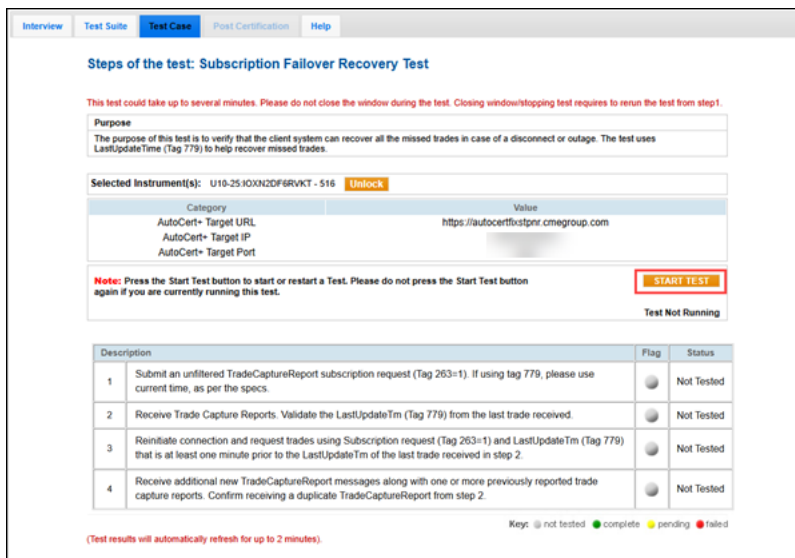
This test is mandatory.

## 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**.



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

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 [LastUpdateTime \(Tag 779\)](#) from the last trade received.
5. Reinitiate the connection and request trades using a subscription request ([263=1](#)) and [LastUpdateTime \(Tag 779\)](#) that is at least one minute prior to the LastUpdateTime 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.



# 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 step 1.

**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 step 1.

**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\_3/8\_07/26 - 490 **Unlock**

Category	Value
AutoCert+ Target URL	https://autocertfixstpr.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 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.