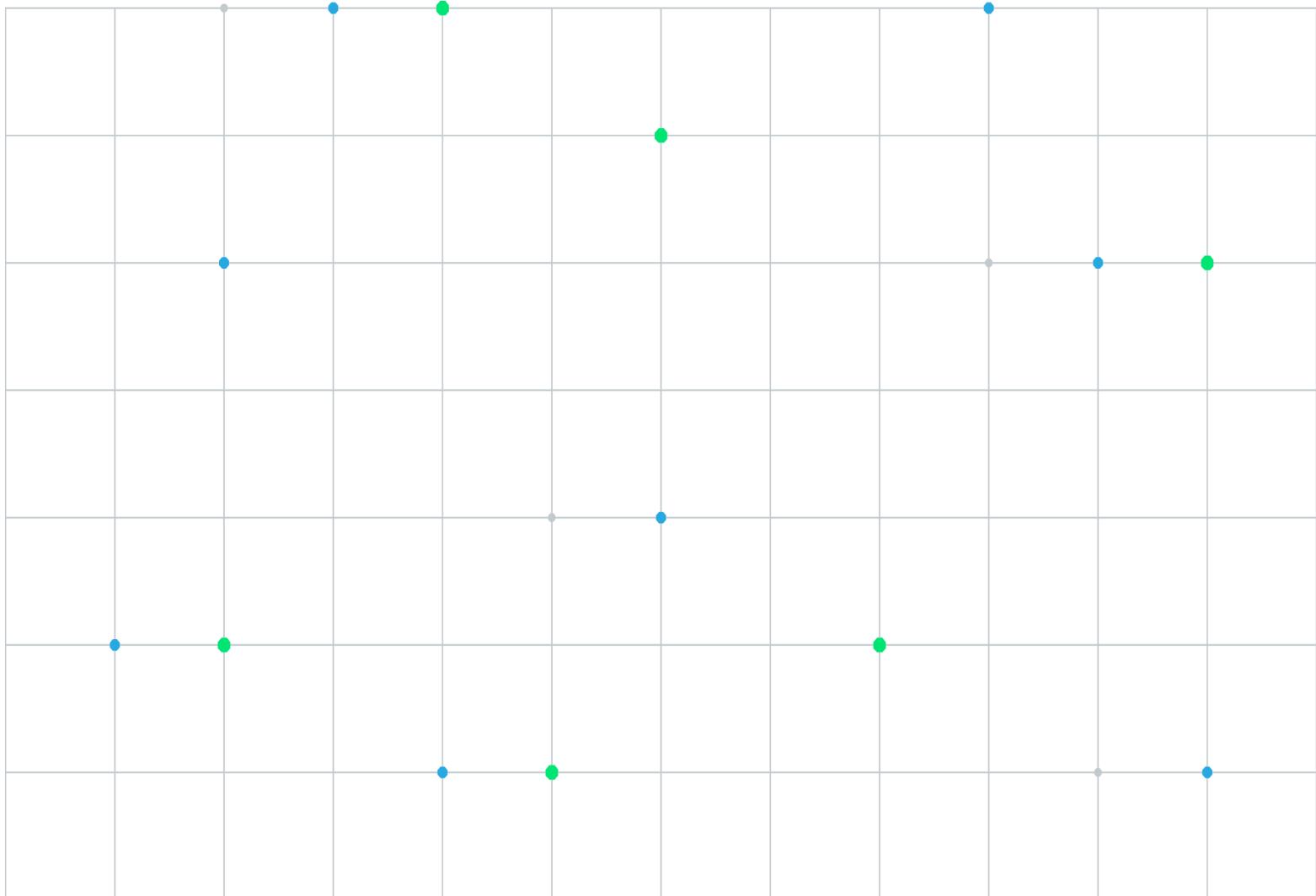


# AutoCert+ CME STP FIX User Manual

August 27, 2025



## Disclaimer

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# Getting Started

The AutoCert+ tool is an automated testing tool for validating application functionality. It provides an easy-to-use web interface for walking through CME Group certification scenarios.

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

STP FIX certification session details will be assigned and forwarded to the customer, including certification target locations and firm / user Identifiers.

This Help system accompanies the AutoCert+ CME STP FIX test suite.

## ► To run and navigate AutoCert+:

1. [Log into](#) the automated certification tool.
2. Review general AutoCert+ test suite [navigation](#) and [general interview](#) information.
3. Navigate to the AutoCert+ CME STP FIX test suite.

The screenshot shows the 'Current Testing Configuration' page. It includes fields for Tester, Company Name (QA), Market (Futures & Options), Purpose (CME STP), Application System (dropdown with a refresh icon), and Test Suite (CME STP FIX). To the right, there are sections for Type (Non-Automated Trading System), Category (Prop System), and various identifiers (1603, 1604, 1605). Below these are sections for Test Suite Status (Pre-Certification Interview: Not Complete, Test Suite Status: Not Tested), and a Sendercomp section with a dropdown and an ASSIGN button.

- a. Select a **Company Name**.
- b. For **Market**, select *Futures & Options*.
- c. For **Purpose**, select *CME STP*.
- d. Select an **Application System**.

To update Application Systems to include recent additions, use the refresh (C) button.

- e. For **Test Suite**, select *CME STP FIX*.
4. Select a **Sendercomp** and select **ASSIGN**.
5. Complete the [Interview](#) for this test suite.
6. Complete applicable test cases.
7. Complete the certification process from the [Post Certification](#) tab.

# What's New

The list below illustrates the updates made to the AutoCert+ CME STP FIX Help system.

Date	Topic(s)	Description
August 27, 2025	<ul style="list-style-type: none"> <li>• <a href="#">Subscription Failover recovery test</a></li> <li>• <a href="#">Snapshot Failover recovery test</a></li> </ul>	Added recovery tests to the CME STP FIX test suite
April 29, 2025	<ul style="list-style-type: none"> <li>• <a href="#">Snapshot Request for FX Link Trades</a></li> <li>• <a href="#">Subscription Request for FX Link Trades</a></li> </ul>	updated test cases to include acknowledgment of tag 1851-StrategyLinkID for trade legs.
January 18, 2023	<ul style="list-style-type: none"> <li>• <a href="#">Post Trade Allocation Request</a></li> <li>• <a href="#">Post Trade Correction Request</a></li> <li>• <a href="#">Post Trade Cancellation Request</a></li> <li>• <a href="#">Post Trade Account Update</a></li> </ul>	New Post-Trade Event Tests for Asset Manager, Broker, Trading Firms to manage CME Globex / CME ClearPort trade allocations, corrections, cancellations and account updates
October 21, 2022	Format	Website and PDF format changes only
April 29, 2022	<a href="#">Interview</a>	Updated screenshot
December 7, 2021	<a href="#">Processing Additional Tags</a>	Updated screenshot and note
September 20, 2021		Initial release

# Interview

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

## ► To complete the interview:

Answer each question and select "Complete" when finished.

Interview	Test Suite	Test Case	Post Certification	Help
<p><b>Which of the following firm type (s) does your application support? Select one or more.</b></p> <p><input type="checkbox"/> Trading Firm (Globex and Clearport Trades)</p> <p><input type="checkbox"/> Broker Firm (Clearport Trades only)</p> <p><input type="checkbox"/> Asset Manager Firm (Clearport Trades only)</p>				
<p><b>Does your system support multiple parties via a single Trade Capture Report Request?</b></p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p>				
<p><b>Does our system support ClearPort Broker Fees?</b></p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p>				
<p><b>Does your system support FX Link Trades?</b></p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p>				
<p><b>What Exchange(s) will your system support? Select one or more.</b></p> <p><input type="checkbox"/> Chicago Mercantile Exchange (CME)</p> <p><input type="checkbox"/> New York Mercantile Exchange (NYMEX)</p> <p><input type="checkbox"/> Chicago Board of Trade (CBT)</p> <p><input type="checkbox"/> Commodity Exchange (COMEX)</p> <p><input type="checkbox"/> Dubai Mercantile Exchange (DME)</p> <p><input type="checkbox"/> FX Spot (FXS)</p>				
<p><b>What security type (s) does your system support? Select one or more.</b></p> <p><input type="checkbox"/> Futures (FUT)</p> <p><input type="checkbox"/> Options (OPT)</p> <p><input type="checkbox"/> Forwards (FWD)</p> <p><input type="checkbox"/> FX Spot (FXSPOT)</p> <p><input type="checkbox"/> Multi Legs (COMBO)</p>				
<p><b>What venues does your system support? Select one or more:</b></p> <p><input type="checkbox"/> Globex</p> <p><input type="checkbox"/> ClearPort</p>				
<p><b>What requests will your application support? Select one or more:</b></p> <p><input type="checkbox"/> Trade Capture Report Request</p> <p><input type="checkbox"/> Snapshot Request</p>				
<p><b>Which type of Trade Capture Report Requests will your application support (choose 1)</b></p> <p><input type="radio"/> Both Standard and Filtered Trade Capture Report Requests</p> <p><input type="radio"/> Only Filtered Trade Capture Report Requests</p> <p><input type="radio"/> Only Standard Trade Capture Report Request</p>				
<p><b>Which type of Snapshot Requests will your application support (choose 1)</b></p> <p><input type="radio"/> Both Standard and Filtered Snapshot Requests</p> <p><input type="radio"/> Only Filtered Snapshot Requests</p> <p><input type="radio"/> Only Standard Snapshot Requests</p>				
<p><b>Complete</b></p>				

# Session Management Tests

- [Process a Test Request and Respond to a Resend Request](#)
- [Detect a Gap](#)
- [Processing Additional Tags](#)

## Process a Test Request and Respond to Resend Request

This test verifies that the client system can process a Test Request and respond to a [Resend Request](#).

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (**REFRESH**) below the test steps may resolve the issue.

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

**Steps of the test: Session Management Test - Process a Test Request and Respond to Resend Request**

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 successfully maintain an STP FIX Session

**Instrument(s):**

Description		Flag	Status
1	Submit a proper Logon (35=A)	<input type="radio"/>	Not Tested
2	Receive a successful Logon Acknowledgement (35=A)	<input type="radio"/>	Not Tested
3	Submit a Trade Capture Report Request (35=AD)	<input type="radio"/>	Not Tested
4	Receive a corresponding Trade Capture Report Acknowledgement (35=AQ)	<input type="radio"/>	Not Tested
5	Send a Heartbeat Message (35=0)	<input type="radio"/>	Not Tested
6	Receive a Test Request Message (35=1)	<input type="radio"/>	Not Tested
7	Send a Heartbeat Message in response (35=0)	<input type="radio"/>	Not Tested
8	Receive a Resend Request (35=2)	<input type="radio"/>	Not Tested
9	Submit a Sequence Reset-Gap Fill message (35=4)	<input type="radio"/>	Not Tested
10	Receive a Heartbeat Message (35=0)	<input type="radio"/>	Not Tested
11	Send Proper Heartbeat Message (35=0)	<input type="radio"/>	Not Tested
12	Receive a Heartbeat Message (35=0)	<input type="radio"/>	Not Tested

Key:  not tested  complete  pending  failed

**REFRESH**

### ► To run a Process a Test Request and Respond to Resend Request test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a successful Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD\)](#).
4. Receive a corresponding [Trade Capture Report Acknowledgment \(35=AQ\)](#).

5. Send a [Heartbeat \(35=0\)](#).
6. Receive a [Test Request \(35=1\)](#).
7. Send a Heartbeat (35=0) in response.
8. Receive a [Resend Request \(35=2\)](#).
9. Submit a [Sequence Reset-Gap Fill \(35=4\)](#).
10. Receive a Heartbeat (35=0).
11. Send a Heartbeat (35=0).
12. Receive a Heartbeat (35=0).

# Detect a Gap

This test verifies that the client system can detect a gap and submit a [Resend Request](#).

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (**REFRESH**) below the test steps may resolve the issue.

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

**Steps of the test: Session Management Test - Detect a Gap**

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 successfully maintain an STP FIX Session

**Instrument(s):**

Description	Flag	Status
1 Submit a proper Logon (35=A)	<input type="radio"/>	Not Tested
2 Receive a successful Logon Acknowledgement (35=A)	<input type="radio"/>	Not Tested
3 Submit a Trade Capture Report Request (35=AD and 263=1)	<input type="radio"/>	Not Tested
4 Receive a responding heartbeat message and detect a gap	<input type="radio"/>	Not Tested
5 Submit a proper Resend Request (35=2)	<input type="radio"/>	Not Tested
6 Receive a missed business message	<input type="radio"/>	Not Tested
7 Send a Heartbeat Message in response (35=0)	<input type="radio"/>	Not Tested
8 Receive a Heartbeat Message (35=0)	<input type="radio"/>	Not Tested
9 Send Proper Heartbeat Message in response (35=0)	<input type="radio"/>	Not Tested

Key:  not tested   ● complete   ● pending   ● failed

**REFRESH**

## ► To run a Detect a Gap test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a [Heartbeat \(35=0\)](#) and detect a gap.
5. Submit a [Resend Request \(35=2\)](#).
6. Receive a missed business message.
7. Submit a [Heartbeat \(35=0\)](#).
8. Receive a Heartbeat (35=0).
9. Submit proper Heartbeat (35=0) in response.

# Processing Additional Tags

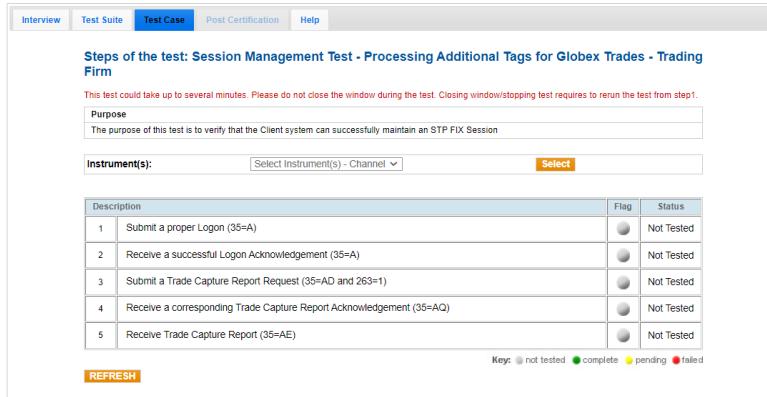
This test verifies that the client system can process additional tags.

**Info** The example test procedure below is for a **Processing Additional Tags for Globex Trades - Trading Firm** test and may not appear in your test suite. The tests included in the test suite will depend on the venue(s) and firm type(s) that you indicated in the Interview.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Info** **Note:** DO NOT select the **START TEST** button once the test is in progress.

**Info** **Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (  ) below the test steps may resolve the issue.



Steps of the test: Session Management Test - Processing Additional Tags for Globex Trades - Trading Firm

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 successfully maintain an STP FIX Session

Instrument(s):

Description	Flag	Status
1 Submit a proper Logon (35=A)	<input type="radio"/>	Not Tested
2 Receive a successful Logon Acknowledgement (35=A)	<input type="radio"/>	Not Tested
3 Submit a Trade Capture Report Request (35=AD and 263=1)	<input type="radio"/>	Not Tested
4 Receive a corresponding Trade Capture Report Acknowledgement (35=AQ)	<input type="radio"/>	Not Tested
5 Receive Trade Capture Report (35=AE)	<input type="radio"/>	Not Tested

Key:  not tested  complete  pending  failed

## ► To run a Processing Additional Tags test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a corresponding [Trade Capture Report Acknowledgment \(35=AQ\)](#).
5. Receive [Trade Capture Report \(35=AE\)](#).

# Trade Capture Report Request Test Cases

- [Standard Trade Capture Report Request](#)
- [Filtered Trade Capture Report Request](#)
- [Multiple Parties via Trade Capture Report Request](#)
- [Broker Fees via Trade Capture Report Request](#)
- [Subscription Request for FX Link Trades](#)

## Last Updated Time Filtered Trade Capture Report Request

The following instructions illustrate the process to process a trade capture report request for Globex and CME ClearPort trades.

The purpose of this test is to verify that the client system can successfully submit and maintain a Filtered Trade Capture Report Request while properly processing Trade Capture Reports.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.



**Note:** DO NOT select the **START TEST** button once the test is in progress.



**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button ( **REFRESH**) below the test steps may resolve the issue.

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

**Steps of the test: Last Updated Time Filtered Trade Capture Report Request for Globex Trades - Trading Firm**

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 successfully submit and maintain a Filtered Trade Capture Report Request while properly processing Trade Capture Reports.

**Instrument(s):**

### ► To run a Filtered Trade Capture Report Request test:

1. Submit a proper [Logon Request \(35=A\)](#).
2. Receive a successful Logon Acknowledgement (35=A).
3. Submit a Filtered [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a Filtered [Subscription Response \(35=AQ\)](#).
5. Receive [Trade Capture Reports \(35=AE\)](#).
6. Submit a proper [Logout Request \(35=5\)](#).
7. Receive a successful Logout Acknowledgement (35=5).

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

**Steps of the test: Last Updated Time Filtered Trade Capture Report Request for Globex Trades - Trading Firm**

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 successfully submit and maintain a Filtered Trade Capture Report Request while properly processing Trade Capture Reports.

**Selected Instrument(s):** HHZ37   **Unlock**

**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 a proper Logon Request (35=A)	<span style="border: 1px solid gray; border-radius: 50%; width: 15px; height: 15px; display: inline-block;"></span>	Not Tested
2	Receive a successful Logon Acknowledgement (35=A)	<span style="border: 1px solid gray; border-radius: 50%; width: 15px; height: 15px; display: inline-block;"></span>	Not Tested
3	Submit a Filtered Trade Capture Report Request (35=AD and 263=1)	<span style="border: 1px solid gray; border-radius: 50%; width: 15px; height: 15px; display: inline-block;"></span>	Not Tested
4	Receive a Filtered Subscription Response (35=AQ)	<span style="border: 1px solid gray; border-radius: 50%; width: 15px; height: 15px; display: inline-block;"></span>	Not Tested
5	Receive Trade Capture Report(s) (35=AE)	<span style="border: 1px solid gray; border-radius: 50%; width: 15px; height: 15px; display: inline-block;"></span>	Not Tested
6	Submit a proper Logout Request (35=5)	<span style="border: 1px solid gray; border-radius: 50%; width: 15px; height: 15px; display: inline-block;"></span>	Not Tested
7	Receive a successful Logout Acknowledgement (35=5)	<span style="border: 1px solid gray; border-radius: 50%; width: 15px; height: 15px; display: inline-block;"></span>	Not Tested

Key:  not tested    complete    pending    failed

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

## Standard Trade Capture Report Request

This test verifies that the client system can submit and maintain a Trade Capture Report Request while processing Trade Capture Reports.

**Note:** The example test procedure below is for a **Standard Trade Capture Report Request** and may not appear in your test suite. The tests included in the test suite will depend on the answers you provided in the Interview.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (**REFRESH**) below the test steps may resolve the issue.

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

**Steps of the test: Standard Trade Capture Report Request for Globex Trades - Trading Firm**

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 successfully submit and maintain a Trade Capture Report Request while properly processing Trade Capture Reports

**Instrument(s):**

Description		Flag	Status
1	Submit a proper Logon Request (35=A)	<input type="radio"/>	Not Tested
2	Receive a successful Logon Acknowledgement (35=A)	<input type="radio"/>	Not Tested
3	Submit a Trade Capture Report Request (35=AD and 263=1)	<input type="radio"/>	Not Tested
4	Receive a Subscription Response (35=AQ)	<input type="radio"/>	Not Tested
5	Receive Trade Capture Report(s) (35=AE)	<input type="radio"/>	Not Tested
6	Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested
7	Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested

Key:  not tested  complete  pending  failed

► **To run a Standard Trade Capture Report Request test:**

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment Logon (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a [Subscription Response \(35=AQ\)](#).
5. Receive [Trade Capture Report \(35=AE\)](#).
6. Submit a [Logout Request \(35=5\)](#).
7. Receive a Logout Acknowledgment (35=5).

## Security Exchange Filtered Trade Capture Report Request

The following instructions illustrate the process to process a trade capture report request for Globex and CME ClearPort trades.

The purpose of this test is to verify that the client system can successfully submit and maintain a Filtered Trade Capture Report Request while properly processing Trade Capture Reports.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (**REFRESH**) below the test steps may resolve the issue.

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

**Steps of the test: Security Exchange Filtered Trade Capture Report Request for CPC Trades - Trading Firm**

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.

<b>Purpose</b>	The purpose of this test is to verify that the client system can successfully submit and maintain a Filtered Trade Capture Report Request while properly processing Trade Capture Reports.	
Instrument(s):	Select Instrument(s) - Channel ▾	<b>Select</b>

► **To run the Filtered Security Exchange Filtered Trade Capture Report Request test:**

1. Submit a proper [Logon Request \(35=A\)](#).
2. Receive a successful Logon Acknowledgement (35=A)
3. Submit a Filtered [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a Filtered [Subscription Response \(35=AQ\)](#).
5. Receive [Trade Capture Report\(s\) \(35=AE\)](#).
6. Submit a proper [Logout Request \(35=5\)](#).
7. Receive a successful Logout Acknowledgement (35=5).

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

**Steps of the test: Security Exchange Filtered Trade Capture Report Request for CPC Trades - Trading Firm**

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.

<b>Purpose</b>	The purpose of this test is to verify that the client system can successfully submit and maintain a Filtered Trade Capture Report Request while properly processing Trade Capture Reports.																									
Selected Instrument(s):	CLG36 <b>Unlock</b>																									
<b>Note:</b> 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.		<b>START TEST</b>																								
Test Not Running																										
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Key: <span style="color: gray;">●</span> not tested <span style="color: green;">●</span> complete <span style="color: yellow;">●</span> pending <span style="color: red;">●</span> failed																										
(Test results will automatically refresh for up to 2 minutes).																										

# Filtered Trade Capture Report Request

This test verifies that the client system can submit and maintain a Filtered Trade Capture Report Request while processing Trade Capture Reports.

**Note:** The example test procedure below is for a **Trade Input Source Filtered Capture Report Request** and may not appear in your test suite. The tests included in the test suite will depend on the answers you provided in the Interview.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button ( **REFRESH** ) below the test steps may resolve the issue.

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

Steps of the test: Trade Input Source Filtered Trade Capture Report Request for Globex Trades - Trading Firm

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 successfully submit and maintain a Filtered Trade Capture Report Request while properly processing Trade Capture Reports.

**Instrument(s):**

Description	Flag	Status
1 Submit a proper Logon Request (35=A)	<input type="radio"/>	Not Tested
2 Receive a successful Logon Acknowledgement (35=A)	<input type="radio"/>	Not Tested
3 Submit a Filtered Trade Capture Report Request (35=AD and 263=1)	<input type="radio"/>	Not Tested
4 Receive a Filtered Subscription Response (35=AQ)	<input type="radio"/>	Not Tested
5 Receive Trade Capture Report(s) (35=AE)	<input type="radio"/>	Not Tested
6 Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested
7 Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested

Key:  not tested  complete  pending  failed

**REFRESH**

## ► To run a Filtered Trade Capture Report Request test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a [Subscription Response \(35=AQ\)](#).
5. Receive [Trade Capture Report \(35=AE\)](#).
6. Submit a [Logout Request \(35=5\)](#).
7. Receive a Logout Acknowledgment (35=5).

# Multiple Parties via Trade Capture Report Request

This test verifies that the client system can submit and maintain a Trade Capture Report Request while processing Trade Capture Reports for multiple parties.

**Note:** The example test procedure below is for a **Trade Capture Report Request for Multiple Parties** and may not appear in your test suite. The tests included in the test suite will depend on the answers you provided in the Interview.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (  ) below the test steps may resolve the issue.

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

Steps of the test: Trade Capture Report Request for Globex Trades for Multiple Parties - Trading Firm

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 successfully submit and maintain a Trade Capture Report Request while properly processing Trade Capture Reports for multiple parties.

**Instrument(s):**

Description	Flag	Status
1 Submit a proper Logon Request (35=A)	<input type="radio"/>	Not Tested
2 Receive a successful Logon Acknowledgement (35=A)	<input type="radio"/>	Not Tested
3 Submit a Trade Capture Report Request for more than one (1) entity (35=AD and 263=1)	<input type="radio"/>	Not Tested
4 Receive a Trade Capture Report Response (35=AQ)	<input type="radio"/>	Not Tested
5 Receive Trade Capture Report(s) for more than one (1) entity (35=AE). Verify the values for the first Trade Capture Report received	<input type="radio"/>	Not Tested
6 Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested
7 Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested

Key:  not tested  complete  pending  failed

## ► To run a Multiple Parties via Trade Capture Report Request test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=1\)](#) for more than one (1) entity .
4. Receive a [Trade Capture Report Response \(35=AQ\)](#).
5. Receive [Trade Capture Report \(35=AE\)](#) for more than one (1) entity. Enter the following values for the first Trade Capture Report received.
  - tag 48-Product Code (ID)
  - tag 31-TradePrice (LastPx)
6. Submit a [Logout Request \(35=5\)](#).
7. Receive a Logout Acknowledgment (35=5).

# Broker Fees via Trade Capture Report Request

This test verifies that the client system can submit and maintain a Trade Capture Report Request while processing Trade Capture Reports containing Broker Fees.

**Note:** The example test procedure below is for a **Broker Fees via Trade Capture Report Request** and may not appear in your test suite. The tests included in the test suite will depend on the answers you provided in the Interview.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (**REFRESH**) below the test steps may resolve the issue.

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

**Steps of the test: Broker Fees via Trade Capture Report Request for CPC Trades - Trading Firm**  
 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 successfully submit and maintain a Trade Capture Report Request while properly processing Trade Capture Reports containing Broker Fees

Instrument(s):	Select Instrument(s) - Channel ▾	Select																								
<table border="1"> <thead> <tr> <th>Description</th> <th>Flag</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1 Submit a proper Logon Request (35=A)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>2 Receive a successful Logon Acknowledgement (35=A)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>3 Submit a Trade Capture Report Request (35=AD and 263=1)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>4 Receive a Subscription Response (35=AQ)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>5 Receive Trade Capture Report(s) containing Broker Fees (35=AE)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>6 Submit a proper Logout Request (35=5)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>7 Receive a successful Logout Acknowledgement (35=5)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> </tbody> </table>			Description	Flag	Status	1 Submit a proper Logon Request (35=A)	<input type="radio"/>	Not Tested	2 Receive a successful Logon Acknowledgement (35=A)	<input type="radio"/>	Not Tested	3 Submit a Trade Capture Report Request (35=AD and 263=1)	<input type="radio"/>	Not Tested	4 Receive a Subscription Response (35=AQ)	<input type="radio"/>	Not Tested	5 Receive Trade Capture Report(s) containing Broker Fees (35=AE)	<input type="radio"/>	Not Tested	6 Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested	7 Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested
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6 Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested																								
7 Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested																								

Key:  not tested  complete  pending  failed

**REFRESH**

## ► To run a Broker Fees via Trade Capture Report Request test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a [Subscription Response \(35=AQ\)](#).
5. Receive [Trade Capture Report \(35=AE\)](#) containing Broker Fees.
6. Submit a [Logout Request \(35=5\)](#).
7. Receive a Logout Acknowledgment (35=5).

# Subscription Request for FX Link Trades

This test verifies that the client system can submit and maintain a Subscription Request while processing FX Link Trade Capture Reports.

**Note:** The example test procedure below is for a **Subscription Request for FX Link Trades** and may not appear in your test suite. The tests included in the test suite will depend on the answers you provided in the Interview.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (  ) below the test steps may resolve the issue.

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

**Steps of the test: Subscription Request for FX Link Trades**

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 successfully submit and maintain a Subscription Request while properly processing FX Link Trade Capture Reports.

**Selected Instrument(s):** 6A:XF:AUDUSD:J5 

Category	Value
AutoCert+ Target URL	https://test/test/query

**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.  

Description	Flag	Status
1 Submit a proper Initial Subscription Request (Unfiltered).		Not Tested
2 Receive a batch file.		Not Tested
3 Submit a continuous subscription request.		Not Tested
4 Receive a Trade Capture Report for an FX Link Trade and confirm Product Code (ID), Product Exchange (Exch) and Security Type (SecTyp) and StrategyLinkID from first Trade Capture Report.		Not Tested
5 Based on StrategyLinkID from previous step, did you receive both legs of the trade?		Not Tested
6 Submit a continuous subscription request.		Not Tested
7 Receive a batch file.		Not Tested
8 Submit a continuous subscription request.		Not Tested
9 Receive a batch file.		Not Tested

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

## ► To run a Subscription Request for FX Link Trades test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a [Trade Capture Report Response \(35=AQ\)](#).
5. Receive [Trade Capture Report \(35=AE\)](#) containing CME FX Link trades.

6. Based on [Trade Capture Report (35=AE)] StrategyLinkID ([tag 1851](#)) from previous step, did you receive both legs of the trade?
  - Select Yes/No.
7. Submit a [Logout Request \(35=5\)](#).
8. Receive a Logout Acknowledgment (35=5).

# Post Trade Event Tests

- [Trade Allocation Request](#)
- [Trade Correction](#)
- [Trade Cancellation](#)
- [Account Update](#)

## Process a Test Request and Respond to a Trade Allocation Request

The purpose of this test is to verify that the client system can successfully connect and maintain an STP FIX session while processing Trade Capture Reports for Trade Allocation Events on CME ClearPort / CME GlobexTrades.

See: [CME STP - Post-Trade Events](#)

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button () below the test steps may resolve the issue.

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

**Steps of the test: Post-Trade Event - Trade Allocation - Asset Manager Firm**

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 successfully connect and maintain an STP FIX session while properly processing Trade Capture Reports for Trade Allocation Events on ClearPort Trades.	

Description	Flag	Status
1 Submit a proper Logon Request (35=A).		Complete
2 Receive a successful Logon Acknowledgement (35=A).		Complete
3 Submit a Trade Capture Report Request (35=AD 263=1).		Complete
4 Receive a Trade Capture Report Response (35=AQ).		Complete
5 Receive a Trade Capture Report (35=AE 487=2) of Original Trade.		Complete
6 Receive Trade Capture Report(s) (35=AE 487=2 826=1) with Mark for Allocation of Original Trade.		Complete
7 Receive Trade Capture Report(s) (35=AE 487=0 10021=1) with Onset of Original Trade.		Complete
8 Receive Trade Capture Report(s) (35=AE 487=0 10021=0) with Offset of Original Trade.		Complete
9 Submit a proper Logout Request (35=5).		Complete
10 Receive a successful Logout Acknowledgement (35=5).		Complete

Key: not tested complete pending failed

**REFRESH**

► **To run a Trade Allocation test:**

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a [Trade Capture Report Response \(35=AQ\)](#).
5. Receive a [Trade Capture Report \(35=AE|487=2\)](#) of the Original Trade.
6. Receive [Trade Capture Report\(s\) \(35=AE|487=2 | 826=1\)](#) with Mark for Allocation (Allocation Indicator) of the Original Trade.
7. Receive [Trade Capture Report\(s\) \(35=AE|487=0|10021=1\)](#) with Onset of the Original Trade.
8. Receive [Trade Capture Report\(s\) \(35=AE|487=0|10021=0\)](#) with Offset of the Original Trade.
9. Submit a [Logout \(35=5\)](#) Request.
10. Receive a Logout Acknowledgment (35=5).

## Process a Test Request and Respond to a Trade Correction Request

The purpose of this test is to verify that the client system can successfully connect and maintain an STP FIX session while processing Trade Capture Reports for Trade Correction Events on CME ClearPort / CME GlobexTrades.

See: [CME STP - Post-Trade Events](#)

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.



**Note:** DO NOT select the **START TEST** button once the test is in progress.



**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button ( below the test steps may resolve the issue.

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

**Steps of the test: Post-Trade Event - Trade Correction - Asset Manager Firm**

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 successfully connect and maintain an STP FIX session while properly processing Trade Capture Reports for Trade Correction Events on ClearPort Trades.

Description		Flag	Status
1	Submit a proper Logon Request (35=A).	<input type="radio"/>	Not Tested
2	Receive a successful Logon Acknowledgement (35=A).	<input type="radio"/>	Not Tested
3	Submit a Trade Capture Report Request (35=AD 263=1).	<input type="radio"/>	Not Tested
4	Receive a Trade Capture Report Response (35=AQ).	<input type="radio"/>	Not Tested
5	Receive a Trade Capture Report (35=AE 487=2) of Original Trade.	<input type="radio"/>	Not Tested
6	Receive Trade Capture Report(s) (35=AE 487=0) with Onset Trade Message.	<input type="radio"/>	Not Tested
7	Receive Trade Capture Report(s) (35=AE 487=0 830=V) with Offset Trade Message.	<input type="radio"/>	Not Tested
8	Submit a proper Logout Request (35=5).	<input type="radio"/>	Not Tested
9	Receive a successful Logout Acknowledgement (35=5).	<input type="radio"/>	Not Tested

Key:  not tested    complete    pending    failed

**REFRESH**

► **To run a Trade Correction test:**

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a [Trade Capture Report Response \(35=AQ\)](#).
5. Receive a [Trade Capture Report \(35=AE|487=2\)](#) of the Original Trade.
6. Receive [Trade Capture Report\(s\) \(35=AE|487=0\)](#) with the Onset Trade Message.
7. Receive [Trade Capture Report\(s\) \(35=AE|487=0|830=V\)](#) with the Offset Trade Message.
8. Submit a [Logout \(35=5\)](#) Request.
9. Receive a Logout Acknowledgment (35=5).

## Process a Test Request and Respond to a Trade Cancellation Request

The purpose of this test is to verify that the client system can successfully connect and maintain an STP FIX session while processing Trade Capture Reports for Trade Cancellation Events on CME ClearPort / CME GlobexTrades.

See: [CME STP - Post-Trade Events](#)

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (**REFRESH**) below the test steps may resolve the issue.

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

**Steps of the test: Post-Trade Event - Trade Cancellation - Asset Manager Firm**

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 successfully connect and maintain an STP FIX session while properly processing Trade Capture Reports for Trade Cancellation Events on ClearPort Trades.

Description	Flag	Status
1 Submit a proper Logon Request (35=A).	<input type="radio"/>	Not Tested
2 Receive a successful Logon Acknowledgement (35=A).	<input type="radio"/>	Not Tested
3 Submit a Trade Capture Report Request (35=AD 263=1).	<input type="radio"/>	Not Tested
4 Receive a Trade Capture Report Response (35=AQ).	<input type="radio"/>	Not Tested
5 Receive a Trade Capture Report (35=AE 487=2) of Original Trade.	<input type="radio"/>	Not Tested
6 Receive Trade Capture Report(s) (35=AE 487=1) with Cancel (Offset) Trade Message.	<input type="radio"/>	Not Tested
7 Submit a proper Logout Request (35=5).	<input type="radio"/>	Not Tested
8 Receive a successful Logout Acknowledgement (35=5).	<input type="radio"/>	Not Tested

Key:  not tested  complete  pending  failed

**REFRESH**



#### To run a Detect a Gap test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a [Trade Capture Report Response \(35=AQ\)](#).
5. Receive a [Trade Capture Report\(s\) \(35=AE|487=2\)](#) of the Original Trade.
6. Receive [Trade Capture Report\(s\) \(35=AE|487=1\)](#) with the Cancel (Offset) Trade Message.
7. Submit a [Logout \(35=5\)](#) Request.
8. Receive a Logout Acknowledgment (35=5).

## Process a Test Request and Respond to an Account Update Request

The purpose of this test is to verify that the client system can successfully connect and maintain an STP FIX session while properly processing Trade Capture Reports for Account Update Events on CME ClearPort / CME GlobexTrades.

See: [CME STP - Post-Trade Events](#)

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button () below the test steps may resolve the issue.

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

**Steps of the test: Post-Trade Event - Account Update - Asset Manager Firm**

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 successfully connect and maintain an STP FIX session while properly processing Trade Capture Reports for Account Update Events on ClearPort Trades.	

Description	Flag	Status
1 Submit a proper Logon Request (35=A).		Not Tested
2 Receive a successful Logon Acknowledgement (35=A).		Not Tested
3 Submit a Trade Capture Report Request (35=AD 263=1).		Not Tested
4 Receive a Trade Capture Report Response (35=AQ).		Not Tested
5 Receive a Trade Capture Report (35=AE 487=2) of Original Trade. Confirm Tag 448 - Clearing Account value (447=C 452=24).		Not Tested
6 Receive Trade Capture Report(s) (35=AE 487=2) with Updated Trade Message. Confirm updated Tag 448 - Clearing Account value (447=C 452=24).		Not Tested
7 Submit a proper Logout Request (35=5).		Not Tested
8 Receive a successful Logout Acknowledgement (35=5).		Not Tested

Key: not tested complete pending failed

**REFRESH**

► **To run an Account Update test:**

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=1\)](#).
4. Receive a [Trade Capture Report Response \(35=AQ\)](#).
5. Receive a [Trade Capture Report \(35=AE|487=2\)](#) of the Original Trade.  
Confirm [Tag 448 - Clearing Account value \(447=C|452=24\)](#).
6. Receive [Trade Capture Report \(35=AE|487=2\)](#) with the Updated Trade Message.  
Confirm updated [Tag 448 - Clearing Account value \(447=C|452=24\)](#).
7. Submit a [Logout \(35=5\)](#) Request.
8. Receive a Logout Acknowledgment (35=5).

# Snapshot Request Test Cases

- [Standard Snapshot Request](#)
- [Filtered Snapshot Request](#)
- [Multiple Parties via Snapshot Request](#)
- [Broker Fees via Snapshot Request](#)
- [Snapshot Request for FX Link Trades](#)

## Standard Snapshot Request

This test verifies that the client system can submit and maintain a Snapshot Request while processing Trade Capture Reports.

**Note:** The example test procedure below is for a **Standard Snapshot Request** and may not appear in your test suite. The tests included in the test suite will depend on the answers you provided in the Interview.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (**REFRESH**) below the test steps may resolve the issue.

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

**Steps of the test: Standard Snapshot Request for Globex Trades - Trading Firm**

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 successfully submit and maintain a Snapshot Request while properly processing Trade Capture Reports.

**Instrument(s):**

Description	Flag	Status
1 Submit a proper Logon Request (35=A)	<input type="radio"/>	Not Tested
2 Receive a successful Logon Acknowledgement (35=A)	<input type="radio"/>	Not Tested
3 Submit a Snapshot Request (35=AD and 263=0)	<input type="radio"/>	Not Tested
4 Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested
5 Receive Trade Capture Report(s) (35=AE)	<input type="radio"/>	Not Tested
6 Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested
7 Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested
8 Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested

Key:  not tested  complete  pending  failed

### ► To run a Standard Snapshot Request test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).

3. Submit a [Snapshot Request \(35=AD and 263=0\)](#).
4. Receive a [Snapshot Response \(35=AQ\)](#).
5. Receive [Trade Capture Report\(s\) \(35=AE\)](#).
6. Receive a [Snapshot Response \(35=AQ\)](#).
7. Submit a [Logout \(35=5\)](#).
8. Receive a Logout Acknowledgment (35=5).

# Filtered Snapshot Request

This test verifies that the client system can submit and maintain a Filtered Snapshot Request while processing Trade Capture Reports.

**Note:** The example test procedure below is for a **Trade Input Source Filtered Snapshot Request** and may not appear in your test suite. The tests included in the test suite will depend on the answers you provided in the Interview.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button ( **REFRESH** ) below the test steps may resolve the issue.

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

**Steps of the test: Trade Input Source Filtered Snapshot Request for Globex Trades - Trading Firm**

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 successfully submit and maintain a Filtered Snapshot Request while properly processing Trade Capture Reports.	

Instrument(s):	Select Instrument(s) - Channel	Select																																				
<table border="1"> <thead> <tr> <th colspan="2">Description</th> <th>Flag</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Submit a proper Logon Request (35=A)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>2</td> <td>Receive a successful Logon Acknowledgement (35=A)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>3</td> <td>Submit a Filtered Snapshot Request (35=AD and 263=0)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>4</td> <td>Receive a Filtered Snapshot Response (35=AQ)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>5</td> <td>Receive Trade Capture Report(s) (35=AE)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>6</td> <td>Receive a Snapshot Response (35=AQ)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>7</td> <td>Submit a proper Logout Request (35=5)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>8</td> <td>Receive a successful Logout Acknowledgement (35=5)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> </tbody> </table>			Description		Flag	Status	1	Submit a proper Logon Request (35=A)	<input type="radio"/>	Not Tested	2	Receive a successful Logon Acknowledgement (35=A)	<input type="radio"/>	Not Tested	3	Submit a Filtered Snapshot Request (35=AD and 263=0)	<input type="radio"/>	Not Tested	4	Receive a Filtered Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested	5	Receive Trade Capture Report(s) (35=AE)	<input type="radio"/>	Not Tested	6	Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested	7	Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested	8	Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested
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3	Submit a Filtered Snapshot Request (35=AD and 263=0)	<input type="radio"/>	Not Tested																																			
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5	Receive Trade Capture Report(s) (35=AE)	<input type="radio"/>	Not Tested																																			
6	Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested																																			
7	Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested																																			
8	Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested																																			

Key:  not tested    complete    pending    failed

**REFRESH**

## ► To run a Filtered Snapshot Request test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Filtered Snapshot Request \(35=AD and 263=0\)](#).
4. Receive a [Filtered Snapshot Response \(35=AQ\)](#).
5. Receive [Trade Capture Report \(35=AE\)](#).
6. Receive a [Snapshot Response \(35=AQ\)](#).
7. Submit a [Logout Request \(35=5\)](#).
8. Receive a Logout Acknowledgment (35=5).

# Multiple Parties via Snapshot Request

This test verifies that the client system can submit and maintain a Snapshot Request while processing Trade Capture Reports for multiple parties.

**Note:** The example test procedure below is for a **Multiple Parties via Snapshot Request** and may not appear in your test suite. The tests included in the test suite will depend on the answers you provided in the Interview.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (  ) below the test steps may resolve the issue.

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

**Steps of the test: Multiple Parties via Snapshot Request for Globex Trades - Trading Firm**

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 successfully submit and maintain a Snapshot Request while properly processing Trade Capture Reports for multiple parties.																													
Instrument(s):	<input type="button" value="Select Instrument(s) - Channel ▾"/>	<input type="button" value="Select"/>																											
<table border="1"> <thead> <tr> <th>Description</th> <th>Flag</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1 Submit a proper Logon Request (35=A)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>2 Receive a successful Logon Acknowledgement (35=A)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>3 Submit a Snapshot Request for more than one (1) entity (35=AD and 263=0)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>4 Receive a Snapshot Response (35=AQ)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>5 Receive Trade Capture Report(s) for more than one (1) entity (35=AE). Verify the values for the first Trade Capture Report received</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>6 Receive a Snapshot Response (35=AQ)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>7 Submit a proper Logout Request (35=5)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>8 Receive a successful Logout Acknowledgement (35=5)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> </tbody> </table>			Description	Flag	Status	1 Submit a proper Logon Request (35=A)	<input type="radio"/>	Not Tested	2 Receive a successful Logon Acknowledgement (35=A)	<input type="radio"/>	Not Tested	3 Submit a Snapshot Request for more than one (1) entity (35=AD and 263=0)	<input type="radio"/>	Not Tested	4 Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested	5 Receive Trade Capture Report(s) for more than one (1) entity (35=AE). Verify the values for the first Trade Capture Report received	<input type="radio"/>	Not Tested	6 Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested	7 Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested	8 Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested
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8 Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested																											
Key: <input type="radio"/> not tested <input checked="" type="radio"/> complete <input type="radio"/> pending <input type="radio"/> failed <input type="button" value="REFRESH"/>																													

## ► To run a Multiple Parties via Snapshot Request test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Snapshot Request \(35=AD and 263=0\)](#) for more than one (1) entity.
4. Receive a [Snapshot Response \(35=AQ\)](#).
5. Receive [Trade Capture Report\(s\) \(35=AE\)](#) for more than one (1) entity. Enter the values for the first Trade Capture Report received:
  - tag 48-Product Code (ID)
  - tag 31-TradePrice (LastPx)
  - tag 448-Party ID

6. Receive a [Snapshot Response \(35=AQ\)](#).
7. Submit a [Logout Request \(35=5\)](#).
8. Receive a Logout Acknowledgment (35=5).

## Broker Fees via Snapshot Request

This test verifies that the client system can submit and maintain a Snapshot Request while processing Trade Capture Reports containing broker fees.

**Note:** The example test procedure below is for a **Broker Fees via Snapshot Request** and may not appear in your test suite. The tests included in the test suite will depend on the answers you provided in the Interview.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button (**REFRESH**) below the test steps may resolve the issue.

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

**Steps of the test: Broker Fees via Snapshot Request for CPC Trades - Trading Firm**

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 successfully submit and maintain a Snapshot Request while properly processing Trade Capture Reports containing Broker Fees

Instrument(s):	Select Instrument(s) - Channel	Select																																				
<table border="1"> <thead> <tr> <th colspan="2">Description</th> <th>Flag</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Submit a proper Logon Request (35=A)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>2</td> <td>Receive a successful Logon Acknowledgement (35=A)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>3</td> <td>Submit a Snapshot Request (35=AD and 263=0)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>4</td> <td>Receive a Snapshot Response (35=AQ)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>5</td> <td>Receive Trade Capture Report(s) containing Broker Fees (35=AE)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>6</td> <td>Receive a Snapshot Response (35=AQ)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>7</td> <td>Submit a proper Logout Request (35=5)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>8</td> <td>Receive a successful Logout Acknowledgement (35=5)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> </tbody> </table>			Description		Flag	Status	1	Submit a proper Logon Request (35=A)	<input type="radio"/>	Not Tested	2	Receive a successful Logon Acknowledgement (35=A)	<input type="radio"/>	Not Tested	3	Submit a Snapshot Request (35=AD and 263=0)	<input type="radio"/>	Not Tested	4	Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested	5	Receive Trade Capture Report(s) containing Broker Fees (35=AE)	<input type="radio"/>	Not Tested	6	Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested	7	Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested	8	Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested
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6	Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested																																			
7	Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested																																			
8	Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested																																			

Key:  not tested  complete  pending  failed

**REFRESH**

### ► To run a Broker Fees via Snapshot Request test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Snapshot Request \(35=AD and 263=0\)](#).
4. Receive a [Snapshot Response \(35=AQ\)](#).
5. Receive [Trade Capture Report\(s\) \(35=AE\)](#) containing broker fees.
6. Receive a [Snapshot Response \(35=AQ\)](#).
7. Submit a [Logout \(35=5\)](#).
8. Receive a Logout Acknowledgment (35=5).

# Snapshot Request for FX Link Trades

This test verifies that the client system can submit and maintain a Snapshot Request while processing FX Link Trade Capture Reports

**Note:** The example test procedure below is for a **Snapshot Request for FX Link Trades** and may not appear in your test suite. The tests included in the test suite will depend on the answers you provided in the Interview.

1. Select a **SenderComp / API ID** from the drop-down and select **ASSIGN** if not already assigned.
2. (If applicable) From the **Instrument(s)** drop-down, select the desired instrument if the instrument is not already locked.
3. Select the **START TEST** button.

**Note:** DO NOT select the **START TEST** button once the test is in progress.

**Note:** If a test is not proceeding to the next step, clicking the **Refresh** button ( **REFRESH** ) below the test steps may resolve the issue.

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

**Steps of the test: Snapshot Request for FX Link Trades - Trading Firm**

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.

<b>Purpose</b>	The purpose of this test is to verify that the client system can successfully submit and maintain a Snapshot Request while properly processing FX Link Trade Capture Reports																														
<b>Selected Instrument(s):</b>	6A:XF:AUDUSD:J5 <b>Unlock</b>																														
<b>Note:</b> 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.																															
<b>START TEST</b>																															
Test Not Running																															
<table border="1"> <thead> <tr> <th>Description</th> <th>Flag</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1 Submit a proper Logon Request (35=A)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>2 Receive a successful Logon Acknowledgement (35=A). There may be up to a 5 second delay in receiving the Logon Acknowledgement in order for AutoCert+ to simulate the necessary trades for this test.</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>3 Submit a Snapshot Request (35=AD and 263=0 and 442=2)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>4 Receive a Snapshot Response (35=AQ)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>5 Receive Trade Capture Report(s) containing FX Link Trades (35=AE)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>6 Receive a Snapshot Response (35=AQ)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>7 Based on StrategyLinkID from previous step, did you receive both legs of the trade?</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>8 Submit a proper Logout Request (35=5)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> <tr> <td>9 Receive a successful Logout Acknowledgement (35=5)</td> <td><input type="radio"/></td> <td>Not Tested</td> </tr> </tbody> </table>		Description	Flag	Status	1 Submit a proper Logon Request (35=A)	<input type="radio"/>	Not Tested	2 Receive a successful Logon Acknowledgement (35=A). There may be up to a 5 second delay in receiving the Logon Acknowledgement in order for AutoCert+ to simulate the necessary trades for this test.	<input type="radio"/>	Not Tested	3 Submit a Snapshot Request (35=AD and 263=0 and 442=2)	<input type="radio"/>	Not Tested	4 Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested	5 Receive Trade Capture Report(s) containing FX Link Trades (35=AE)	<input type="radio"/>	Not Tested	6 Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested	7 Based on StrategyLinkID from previous step, did you receive both legs of the trade?	<input type="radio"/>	Not Tested	8 Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested	9 Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested
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4 Receive a Snapshot Response (35=AQ)	<input type="radio"/>	Not Tested																													
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7 Based on StrategyLinkID from previous step, did you receive both legs of the trade?	<input type="radio"/>	Not Tested																													
8 Submit a proper Logout Request (35=5)	<input type="radio"/>	Not Tested																													
9 Receive a successful Logout Acknowledgement (35=5)	<input type="radio"/>	Not Tested																													
Key: <input type="radio"/> not tested <input checked="" type="radio"/> complete <input type="radio"/> pending <input type="radio"/> failed																															

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

## ► To run a Snapshot Request for FX Link Trades test:

1. Submit a [Logon \(35=A\)](#).
2. Receive a Logon Acknowledgment (35=A).
3. Submit a [Trade Capture Report Request \(35=AD and 263=0\)](#).
4. Receive a [Trade Capture Report Response \(35=AQ\)](#).
5. Receive [Trade Capture Report\(s\) \(35=AE\)](#) containing FX Link trades.
6. Receive a [Snapshot Response \(35=AQ\)](#).

7. Based on [Trade Capture Report (35=AE - tag 263-SubscriptionRequestType=0-snapshot] StrategyLinkID ([tag 1851](#)) from previous step, did you receive both legs of the trade?
  - Select Yes/No.
8. Submit a proper [Logout \(35=5\)](#).
9. Receive a successful Logout Acknowledgment (35=5).

# Recovery Tests

- [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**.

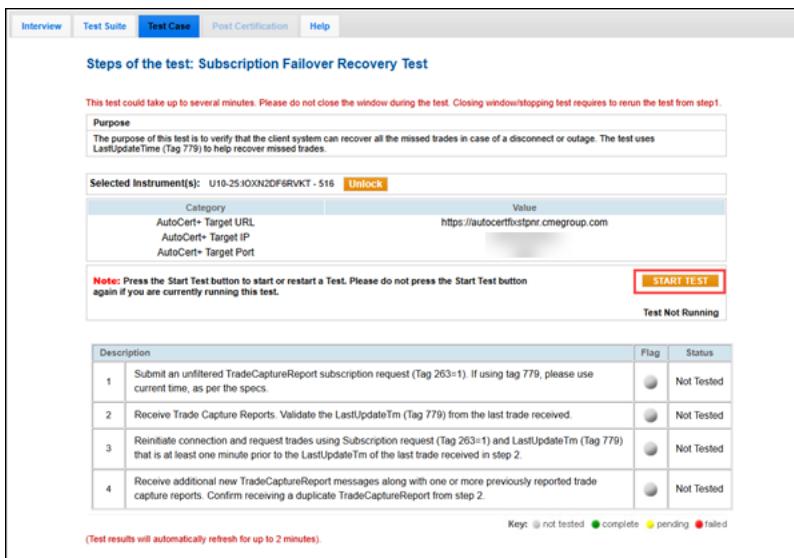


This test could take up to several minutes. Please do not close the window during the test. Closing window/stopping test requires to rerun the test from step1.

**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):

2. Select **START 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):** U10-25J0XH2D6RVNKT - 518

Category	Value
AutoCert+ Target URL	https://autocertfixstpnr.cme.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.

Test Not Running

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.	<input type="radio"/>	Not Tested
2 Receive Trade Capture Reports. Validate the LastUpdateTime (Tag 779) from the last trade received.	<input type="radio"/>	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.	<input type="radio"/>	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.	<input type="radio"/>	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 [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?”

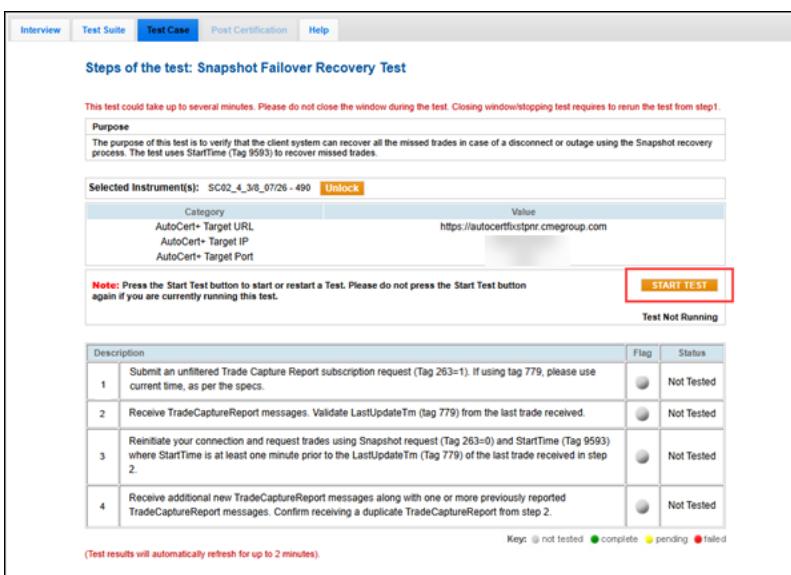
## ► To run the test

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



The screenshot shows the 'Test Case' tab selected. The 'Steps of the test: Snapshot Failover Recovery Test' section is displayed. A red box highlights the 'Instrument(s)' dropdown menu.

2. Select **START TEST**.



The screenshot shows the 'Test Case' tab selected. The 'Steps of the test: Snapshot Failover Recovery Test' section is displayed. A red box highlights the 'START TEST' button.

**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.