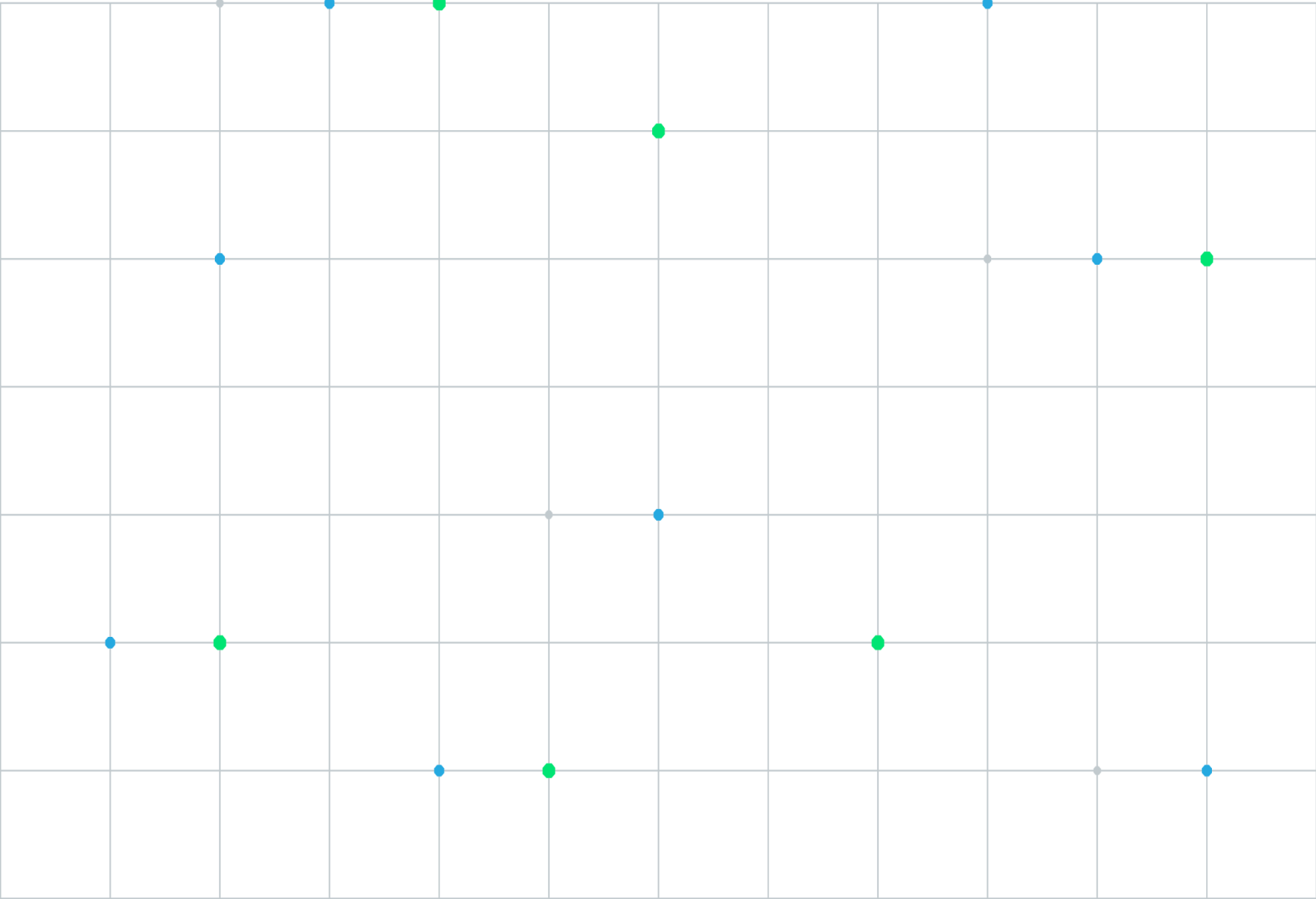


AutoCert+ CME STP User Manual

July 17, 2025



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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.

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

Current Testing Configuration			
Tester:	Tom Tester	Type:	Semi-Automated Trading System
Company Profile:	Firm A	Category:	Prop System
Market:	Futures & Options	1603:	Test System
Purpose:	CME STP	1604:	0.1.0
Application System:	Test System	1605:	Test2
Test Suite:	CME STP		
NOTE: This test suite utilizes the NEWRELEASE environment.			
API ID:	Select API ID	<div>Test Suite Status:</div> <div>Pre-Certification Interview: Complete</div> <div>Test Suite Status: Not Tested</div>	
		<div>ASSIGN</div>	

- a. Select a **Company Name**.
 - b. For **Market**, select *Futures & Options*.
 - c. For **Purpose**, select *CME STP*.
 - d. Select an **Application System**. Use the refresh () button to update the list to include recently created Application Systems.
 - e. For **Test Suite**, select *CME STP*.
4. Complete the [Interview](#) for this test suite.
 5. Complete applicable test cases.
 6. Complete the certification process from the [Post Certification](#) tab.

What's New

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

Date	Topic	Description
July 17, 2025	<ul style="list-style-type: none"> Failover for Request Type of Subscription with Start Time Failover Using Query Request Interview 	Added supplemental CME STP Failover tests to main test suite and updated Interview.
April 29, 2025	<ul style="list-style-type: none"> Subscription Requests for FX Link Trades Query Requests for Historic Trades including FX Link 	Added subscription and query tests for FX Link trades.
October 20, 2022	Format	Website and PDF format changes only.
April 29, 2022	Interview	Updated screenshot.
September 26, 2019	Interview	Updated screenshot.
	Subscription Requests Subscription Requests for Post Trade Events Query Requests	Updated screenshots and steps.
February 5, 2019		Initial release.

Interview

The interview consists of a series of questions about your application. Based on your responses, certain tests are mandatory and others are optional.

You must complete the pre-certification interview before running the tests.

Note: Brokered trades, including Broker Fee's (commissions data), flow through the ClearPort venue for retrieval in CME STP, enabling Clearing Firms to see the broker fees on their trade capture reports. To include tests with brokered trade data in the test suite, select 'ClearPort' in response to the interview question, "What venues does your application support? Select one or more:" Detailed information on broker fee retrieval in CME STP is available [here](#).

After answering the Interview questions, click the **Complete** button.

Interview	Test Suite	Test Case	Post Certification	Help
Which of the following does your application support? Select one or more.				
<input checked="" type="checkbox"/> Trading Firm (Globex and ClearPort Trades)				
<input checked="" type="checkbox"/> Broker Firm (ClearPort Trades only)				
<input checked="" type="checkbox"/> Asset Manager Firm (ClearPort Trades only)				
Does your system support multiple parties via a single Trade Capture Report Request? Select one:				
<input checked="" type="radio"/> Yes				
<input type="radio"/> No				
Does your system support ClearPort Broker Fees? Select one:				
<input checked="" type="radio"/> Yes				
<input type="radio"/> No				
What Exchange(s) will your system support? Select one or more.				
<input checked="" type="checkbox"/> Chicago Mercantile Exchange (CME)				
<input checked="" type="checkbox"/> New York Mercantile Exchange (NYMEX)				
<input checked="" type="checkbox"/> Chicago Board of Trade (CBT)				
<input checked="" type="checkbox"/> Commodity Exchange (COMEX)				
<input checked="" type="checkbox"/> Dubai Mercantile Exchange (DME)				
<input checked="" type="checkbox"/> FX Spot (FXS)				
What security type (s) does your system support? Select one or more.				
<input checked="" type="checkbox"/> Futures (FUT)				
<input checked="" type="checkbox"/> Options (OPT)				
<input checked="" type="checkbox"/> Forwards (FWD)				
<input checked="" type="checkbox"/> FX Spot (FXSPOT)				
<input checked="" type="checkbox"/> Multi Legs (COMBO)				
What venues does your application support? Select one or more:				
<input type="checkbox"/> Globex				
<input checked="" type="checkbox"/> ClearPort				
How will your system be supporting multi-leg securities? Select one or more: Please be advised that CME FX Link Trade Capture Report Messages can only be returned when MLegRptTyp is set to 3. FX Link Trades can not be returned when MLegRptTyp is set to 2.				
<input checked="" type="checkbox"/> Spread Level (MLegRptTyp="3" / 442=3)				
<input checked="" type="checkbox"/> Leg Level (MLegRptTyp="2" / 442=2)				
What requests will your application support? Select one or more:				
<input checked="" type="checkbox"/> Subscription Request				
<input checked="" type="checkbox"/> Query Request				
Which type of Subscription requests will your application support (choose 1)				
<input checked="" type="radio"/> Both unfiltered and filtered subscription requests				
<input type="radio"/> Only filtered subscription requests				
<input type="radio"/> Only unfiltered subscription requests				
If your application can support Filtered Subscription Requests, please state which filters are supported?				
<input checked="" type="checkbox"/> Venue				
<input checked="" type="checkbox"/> Exchange				
<input checked="" type="checkbox"/> Product Type				
<input checked="" type="checkbox"/> Product (Exchange also required)				
<input checked="" type="checkbox"/> Start Time				
Which type of Query requests will your application support (choose 1)				
<input checked="" type="radio"/> Both unfiltered and filtered query requests				
<input type="radio"/> Only filtered query requests				
<input type="radio"/> Only unfiltered query requests				
If your application can support Filtered Query Requests, please state which filters are supported?				
<input checked="" type="checkbox"/> Trade ID				
<input checked="" type="checkbox"/> Secondary Trade ID				
<input checked="" type="checkbox"/> Client Order ID				
<input checked="" type="checkbox"/> Venue				
<input checked="" type="checkbox"/> Exchange				
<input checked="" type="checkbox"/> Product Type				
<input checked="" type="checkbox"/> Product (Exchange also required)				
<input checked="" type="checkbox"/> Clearing Business Date				
<input checked="" type="checkbox"/> Trade Date				
<input checked="" type="checkbox"/> Start Time - End Time				
Does your system support FX Link Trades?				
<input checked="" type="radio"/> Yes				
<input type="radio"/> No				
When Performing a recovery, which request type does your application support?				
<input checked="" type="checkbox"/> Subscription Request with StartTime for Missed Messages				
<input checked="" type="checkbox"/> Query for Missed Messages				
In the failover recovery test, you will receive a duplicate trade as a natural part of the recommended recovery process. Attest that your system is able to properly recognize and handle duplicate trade(s) received during recovery? NOTE: duplicate trades can be identified and tracked using (TrldId + TradeReportId)				
<input checked="" type="radio"/> Acknowledge				
<input type="radio"/> Not Acknowledged				
Complete				

Certification Tests

The AutoCert+ CME STP certification tests consist of the following:

- [Subscription Requests](#)
- [Subscription Requests for FX Link Trades](#)
- [Subscription Requests for Post Trade Events](#)
- [Query Requests](#)
- [Query Request for Historic Trades including FX Link](#)
- [Failover for Request Type of Subscription with Start Time](#)
- [Failover Using Query Request](#)

Subscription Requests

The Subscription Request tests verify that your application can request and process STP messages that are sent on a real-time basis.

Note: Brokered trades, including Broker Fee's (commissions data), flow through the ClearPort venue for retrieval in CME STP, enabling Clearing Firms to see the broker fees on their trade capture reports. To include tests with brokered trade data in the test suite, select 'ClearPort' in response to the interview question, "What venues does your application support? Select one or more:" Detailed information on broker fee retrieval in CME STP is available [here](#).

Example Subscription Request Test

Note: The example test procedure below is for an unfiltered subscription request for CPC 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.

Steps of the test: Unfiltered Subscription 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 your application can request and process STP messages that are sent in a real time basis.

Selected Contract: CBND **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**

Description	Flag	Status
1 Send an initial subscription request (unfiltered)	●	Complete
2 Receive a batch file	●	Complete
3 Send a continuous subscription request and confirm if polling is greater than 3 seconds:	●	Complete
4 Receive a Trade and Confirm Product Code (ID), Trade Quantity (LastQty) and Trade Price (LastPx) from first Trade Capture Report	●	Complete
5 Send a continuous subscription request	●	Complete
6 Receive an empty batch	●	Complete
7 Send a continuous subscription request	●	Complete
8 Receive an empty batch	●	Complete

Key: ● not tested ● complete ● pending ● failed

REFRESH

▶ To run the Unfiltered Subscription Request for CPC Trades test:

1. Click **START TEST** to begin.

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

2. Send an initial [subscription request \(unfiltered\)](#).
3. Receive a [batch file](#).
4. Send a continuous subscription request and confirm if polling is greater than 3 seconds.
5. Receive a [Trade](#) and confirm the Product Code (ID), Trade Quantity (LastQty) and Trade Price (LastPx) from the first Trade Capture Report.

4	<p>Receive a Trade and Confirm Product Code (ID), Trade Quantity (LastQty) and Trade Price (LastPx) from first Trade Capture Report</p> <p>Product Code (ID) : <input type="text"/></p> <p>Trade Quantity (LastQty) : <input type="text"/></p> <p>Trade Price (LastPx) : <input type="text"/></p> <p><input type="button" value="Submit"/></p>		Pending
---	--	---	---------

6. Send a continuous subscription request.
7. Receive an empty batch.
8. Send a continuous subscription request.
9. Receive an empty batch.

Subscription Requests for Post Trade Events

The Subscription Request for Post Trade Events tests verify that your application can properly process post trade events that occur when you have already received your STP messages.

Note: Brokered trades, including Broker Fee's (commissions data), flow through the ClearPort venue for retrieval in CME STP, enabling Clearing Firms to see the broker fees on their trade capture reports. To include tests with brokered trade data in the test suite, select 'ClearPort' in response to the interview question, "What venues does your application support? Select one or more:" Detailed information on broker fee retrieval in CME STP is available [here](#).

Example Subscription Request Test for Post Trade Events

Note: The example test procedure below is for a subscription request for CPC trades and may not appear in your test suite. The tests included in the test suite will depend on the answers provided in the [Interview](#).

Selected Contract : ESZ8 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

Description	Flag	Status
1 Send an initial subscription request		Complete
2 Receive a batch file		Complete
3 Send a continuous subscription request and confirm if polling is greater than 3 seconds:		Complete
4 Receive a set of trades and Confirm if trade has been voided		Complete
5 Send a continuous subscription request and confirm if polling is greater than 3 seconds:		Complete
6 Receive a set of trades and Confirm if trade has been allocated and the quantity allocated		Complete
7 Send a continuous subscription request and confirm if polling is greater than 3 seconds:		Complete
8 Receive a set of trades and Confirm what the original price was and what the new price due to Transfer Correction		Complete
9 Send a continuous subscription request and confirm if polling is greater than 3 seconds:		Complete
10 Receive a set of trades and Confirm if trade has been voided (Account update away from the firm)		Complete
11 Send a continuous subscription request and confirm if polling is greater than 3 seconds:		Complete
12 Receive a set of trades and Confirm the status of the trade (Trade has been transferred)		Complete
13 Send a continuous subscription request and confirm if polling is greater than 3 seconds:		Complete
14 Receive a set of trades and Confirm if trade has been updated to different account with in the same firm		Complete

Key: not tested complete pending failed


REFRESH

► To run the Unfiltered Subscription Request for CPC Trades test:


1. Click **START TEST** to begin.

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


2. Send an initial [subscription request](#).
3. Receive a [batch file](#).
4. Send a continuous subscription request and confirm that polling is greater than 3 seconds.
5. Receive a set of [trades](#) and confirm that the trade has been voided.

4	Receive a set of trades and Confirm if trade has been voided		Pending
	Transaction Type (TransTyp) : <input type="text"/>		
	<input type="button" value="Submit"/>		

6. Send a continuous subscription request and confirm if polling is greater than 3 seconds.
7. Receive a set of trades and confirm that the trade has been allocated and the quantity allocated.

6	Receive a set of trades and Confirm if trade has been allocated and the quantity allocated		Pending
	Trade Quantity (LastQty) : <input type="text"/>		
	Original Trade Allocation Indicator(AllocInd) : <input type="text"/>		
	Offset Trade Offset Instruction (OfstInst) : <input type="text"/>		
	<input type="button" value="Submit"/>		

8. Send a continuous subscription request and confirm that polling is greater than 3 seconds.
9. Receive a set of trades and confirm what the original price was and what the new price is due to Transfer Correction.

8	Receive a set of trades and Confirm what the original price was and what the new price due to Transfer Correction		Pending
	Original Price : <input type="text"/>		
	New Price : <input type="text"/>		
	<input type="button" value="Submit"/>		

10. Send a continuous subscription request and confirm if polling is greater than 3 seconds.
11. Receive a set of trades and confirm that the trade has been voided (Account update away from the firm).

10	Receive a set of trades and Confirm if trade has been voided (Account update away from the firm)		Pending
	Transaction Type (TransTyp) : <input type="text"/>		
	<input type="button" value="Submit"/>		

12. Send a continuous subscription request and confirm that polling is greater than 3 seconds.
13. Receive a set of trades and confirm the status of the trade (Trade has been transferred).

12	Receive a set of trades and Confirm the status of the trade (Trade has been transferred)		Pending
	Offset Trade Side (Side) : <input type="text"/>		
	Offset Trade Input Source (InptSrc) : <input type="text"/>		
	<input type="button" value="Submit"/>		

14. Send a continuous subscription request and confirm that polling is greater than 3 seconds.
15. Receive a set of trades and confirm that the trade has been updated to a different account within the same firm.

14	Receive a set of trades and Confirm if trade has been updated to different account with in the same firm		Pending
	Trade Account : <input type="text"/>		
	<input type="button" value="Submit"/>		

Subscription Request for FX Link Trades

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.

1. Submit a proper Initial [Subscription](#) Request (Unfiltered).
2. Receive a [batch](#) file.
3. Submit a continuous subscription request.

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.



See also: [CME STP for CME FX Link and FX Spot Plus](#) and [CME STP FIXML - CME FX Link Messaging](#).

5. Based on StrategyLinkID from previous step, did you receive both legs of the trade?
6. Submit a continuous [subscription](#) request.
7. Receive a [batch](#) file.
8. Submit a continuous subscription request.
9. Receive a [batch](#) file.

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.				
Please assign a Sendercomp ID and make sure a valid instrument is selected to start certifying a test.				
Category		Value		
AutoCert+ Target URL		https://test/test/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		

Key: not tested complete pending failed

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

Query Requests

The Query Request tests verify that your application can request and process historical STP messages.

Note: Brokered trades, including Broker Fee's (commissions data), flow through the ClearPort venue for retrieval in CME STP, enabling Clearing Firms to see the broker fees on their trade capture reports. To include tests with brokered trade data in the test suite, select 'ClearPort' in response to the interview question, "What venues does your application support? Select one or more:" Detailed information on broker fee retrieval in CME STP is available [here](#).

Example Query Request Test

Note: The example test procedure below is for an unfiltered query request for CPC 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.

Steps of the test: Unfiltered Query 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 your application can request and process STP messages that are sent in a real time basis.

Category	Value
Start Time	2019-08-05T05:33:00-05:00

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

Description	Flag	Status
1 Send an initial query request (unfiltered) using start time value as displayed above		Complete
2 Receive a batch file		Complete
3 Send a continuous query request		Complete
4 Receive a batch file with rest of the trades and validate the first trade in this batch - Confirm Product Code (ID), Trade Quantity (LastQty) and Trade Price (LastPx) from first Trade Capture Report		Complete

Key: not tested complete pending failed

REFRESH

► To run the Unfiltered Query Request for CPC Trades test:

1. Click **START TEST** to begin.

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

2. Send an initial [query request \(unfiltered\)](#) using the start time value as displayed above.
3. Receive a [batch file](#).
4. Send a continuous query request.
5. Receive a batch file with the rest of the trades and validate the first trade in this batch - Confirm Product Code (ID), Trade Quantity (LastQty) and Trade Price (LastPx) from the first Trade Capture Report.

4	Receive a batch file with rest of the trades and validate the first trade in this batch - Confirm Product Code (ID), Trade Quantity (LastQty) and Trade Price (LastPx) from first Trade Capture Report			Pending
	Product Code (ID) :	<input type="text"/>		
	Trade Quantity (LastQty) :	<input type="text"/>		
	Trade Price (LastPx) :	<input type="text"/>		
	Submit			

Query Request for Historic Trades Including FX Link

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

1. Send an initial [query request](#) (unfiltered) using start time value as specified.
2. Receive a [batch](#) file.
3. Send a continuous query request.
4. Receive a [batch](#) file with rest of the trades and validate the first trade in this batch - Confirm Product Code (ID), Product Exchange (Exch) and Security Type (SecTyp) and StrategyLinkID from first Trade Capture Report.
5. Based on StrategyLinkID from previous step, did you receive both legs of the trade?

[Interview](#)
[Test Suite](#)
[Test Case](#)
[Post Certification](#)
[Help](#)

Steps of the test: Query Request for Historic Trades Including FX Link

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 Query Request while properly processing FX Link Trade Capture Reports.

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

START TEST

Test Not Running

Description	Flag	Status
1 Send an initial query request (unfiltered) using start time value as specified.		Not Tested
2 Receive a batch file.		Not Tested
3 Send a continuous query request.		Not Tested
4 Receive a batch file with rest of the trades and validate the first trade in this batch - 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

Key: not tested complete pending failed

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

Failover for Request Type of Subscription with Start Time

The purpose of this test is to verify the client system can properly handle a failover event using a new subscription with a Start Time as a means of recovery. This includes identifying a failover response, subscribing with a new token, and receiving duplicate trades as part of the recommended [failover process](#) (deduping).

This test is mandatory if you selected **Subscription with StartTime for Missed Messages** in the interview question: **When Performing a recovery, which request type does your application support?**

▶ To run the test

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

The screenshot shows a web interface for selecting instruments. At the top, there is a 'Selected Instrument(s):' field with an 'Unlock' button. Below this is a table with columns 'Category', 'IP', and 'Port'. The table lists several instrument categories: Incremental Feed A, Incremental Feed B, Snapshot MBP, Snapshot MBO, Instrument Replay, and TCP Replay. Below the table, there is a 'Category' field and a 'Link' field with the value 'templates_FixBinary.xml'. At the bottom, there is a 'Templates File:' field. A red note states: '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.' To the right of the note is a red 'START TEST' button. Below the button, it says 'Test Not Running'.

3. Submit a proper initial Unfiltered Subscription Request ([ReqType="1", SubReqType="1"](#)).
4. Receive an empty batch file (<Batch>).
5. Submit a continuous subscription request ([RegTyp="3", SubReqTyp="1"](#)).
6. Receive a Trade Capture Report ([TransTyp="0", TrdTyp="0"](#)). Validate the Product Code (ID), Trade Quantity (LastQty), and Last Update Time (LastUpdateTm).
7. Submit a continuous subscription request ([RegTyp="3" SubReqTyp="1"](#)).
8. Receive a [TrdCaptRptReqAck](#) message with x-cme-token expiration message and HTTP response status code 406.
9. Submit a proper Initial Subscription Request with a Start Time (StartTm) that is at least one minute prior to the Last Update Time (LastUpdateTm) of the last trade received ([ReqType="1", SubReqType="1"](#)).
10. Confirm you received a duplicate trade from step 6.

[Interview](#) [Test Suite](#) [Test Case](#) [Post Certification](#) [Help](#)

Steps of the test: Failover for Request Type of Subscription with Start Time

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 the client system can properly handle a failover event using a new subscription with a Start Time as a means of recovery. This includes identifying a response indicating failover, proceeding to subscribe with a new token and being able to handle receiving duplicate trades as part of the failover process (deduping). The recommended approach to handle a failover is documented [here](#).

Selected Instrument(s): CBV6 - 699 [Unlock](#)

Category	IP	Port
Incremental Feed A		
Incremental Feed B		
Snapshot MBP		
Snapshot MBO		
Instrument Replay		
TCP Replay		

Category	Link
Templates File:	templates_FixBinary.xml

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.

[STOP TEST](#)

Test In Progress

Description	Flag	Status
1 Submit a proper Initial Unfiltered Subscription Request (ReqTyp=1 SubReqTyp=1).		Not Tested
2 Receive a batch file.		Not Tested
3 Submit a continuous subscription request (ReqTyp=3 SubReqTyp=1).		Not Tested
4 Receive a Trade Capture Report (TransTyp=0 TrdTyp=0).		Not Tested
5 Submit a continuous subscription request (ReqTyp=3 SubReqTyp=1).		Not Tested
6 Receive a TrdCaptRptReqAck message with x-cme-token expiration message and http response status code 406.		Not Tested
7 Submit a proper Initial Subscription Request with a Start Time that is at least one minute prior to the LastUpdateTm of the Last trade received (ReqTyp=1 SubReqTyp=1).		Not Tested
8 Confirm you received a duplicate trade from step 4.		Not Tested

[REFRESH](#)

Keys: @ not tested ● complete ● pending ● failed

Failover Using Query Request

The purpose of this test is to verify the client system can properly handle a failover event using a Query for recovery purposes. This includes identifying a failover response, subscribing with a new token, and receiving duplicate trades as part of the [failover process](#) (deduping).

This test is mandatory if you selected **Query for Missed Messages** in the interview question: **When Performing a recovery, which request type does your application support?**

► To run the test

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

Category	IP	Port
Incremental Feed A		
Incremental Feed B		
Snapshot MBP		
Snapshot MBO		
Instrument Replay		
TCP Replay		

Category: Link: [templates_FixBinary.xml](#)

Templates File: [templates_FixBinary.xml](#)

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

3. Submit a proper Initial Unfiltered Query Request using Start Time ([ReqType="1" SubReqType="1"](#)).
4. Receive an empty batch file (<Batch>).
5. Submit a continuous subscription request ([RegTyp="3", SubReqTyp="1"](#)).
6. Receive a Trade Capture Report ([TransTyp="0", TrdTyp="0"](#)). Validate the Product Code (ID), Trade Quantity (LastQty), and Last Update Time (LastUpdateTm).
7. Submit a continuous subscription request ([RegTyp="3" SubReqTyp="1"](#)).
8. Receive a [TrdCaptRptReqAck](#) message with x-cme-token expiration message and HTTP response status code 406.
9. Submit a proper Query Request with a Start Time (StartTm) that is at least one minute prior to the Last Update Time (LastUpdateTm) of the last trade received ([ReqType="1" SubReqType="0"](#)).
10. Confirm you received a duplicate trade from step 6.

Interview

Test Suite

Test Case

Post Certification

Help

Steps of the test: Fallover for Request Type of Subscription with Query

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 the client system can properly handle a fallover event using a Query for recovery purposes. This includes identifying a response indicating fallover, proceeding to subscribe with a new token and being able to handle receiving duplicate trades as part of the fallover process (deduping). The recommended approach to handle a fallover is documented [here](#).

Selected Instrument(s): **Unlock**

Category	IP	Port
Incremental Feed A	<input type="text"/>	<input type="text"/>
Incremental Feed B	<input type="text"/>	<input type="text"/>
Snapshot MBP	<input type="text"/>	<input type="text"/>
Snapshot MBO	<input type="text"/>	<input type="text"/>
Instrument Replay	<input type="text"/>	<input type="text"/>
TCP Replay	<input type="text"/>	<input type="text"/>

Category Link

Templates File: [templates_FixBinary.xml](#)

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 Initial Unfiltered Query Request using Start time (ReqTyp=1 SubReqTyp=1).	<input type="radio"/>	Not Tested
2 Receive a batch file.	<input type="radio"/>	Not Tested
3 Submit a continuous request (ReqTyp=3 SubReqTyp=1).	<input type="radio"/>	Not Tested
4 Receive a Trade Capture Report (TransTyp=0 TrdTyp=0).	<input type="radio"/>	Not Tested
5 Submit a continuous subscription request (ReqTyp=3 SubReqTyp=1).	<input type="radio"/>	Not Tested
6 Receive a TrdCapRptReqAck message with x-cme-token expiration message and http response status code 406.	<input type="radio"/>	Not Tested
7 Submit a proper Query Request with a Start Time that is at least one minute prior to the LastUpdateTm of the Last trade received (ReqTyp=1 SubReqTyp=0).	<input type="radio"/>	Not Tested
8 Confirm you received a duplicate trade from step 4.	<input type="radio"/>	Not Tested

Key: @ not tested ● complete ● pending ● failed

REFRESH