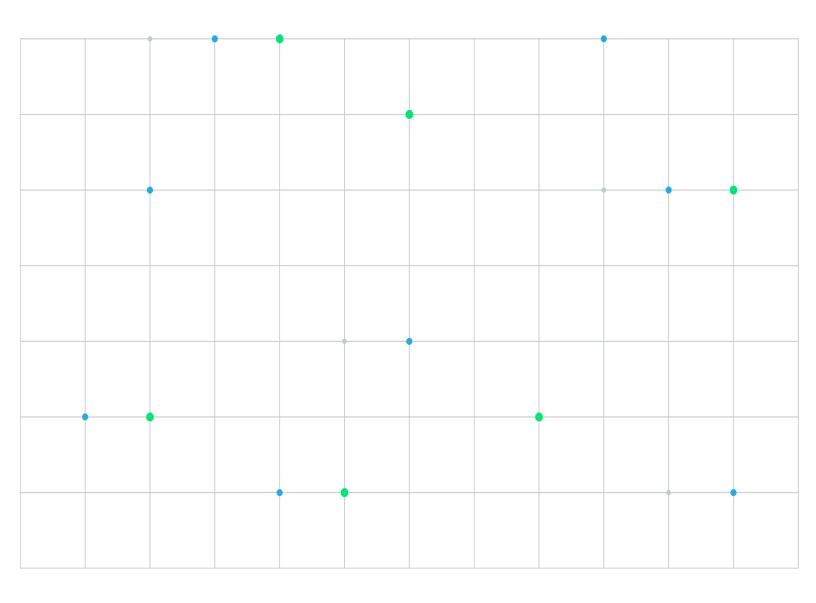


AutoCert+ Streamlined SBE OTC End of Day User Manual

28 October 2022



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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+ Streamlined SBE OTC End of Day 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. Complete the Interview for this test suite.
- 4. Complete applicable test cases.
- 5. Complete the certification process from the Post Certification tab.

What's New

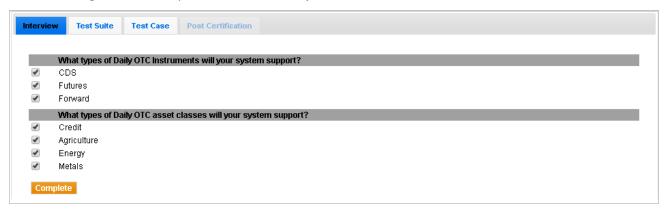
The list below illustrates the updates made to the AutoCert+ Streamlined SBE OTC End of Day Help system.

Date	Торіс	Description
28 Oct 2022	Format	Website and PDF format changes only.
15 Jun 2018	Price Precision Extension	Added new chapter.
14 Nov 2016		Initial release

Interview

The interview consists of a series of questions about your 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.

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



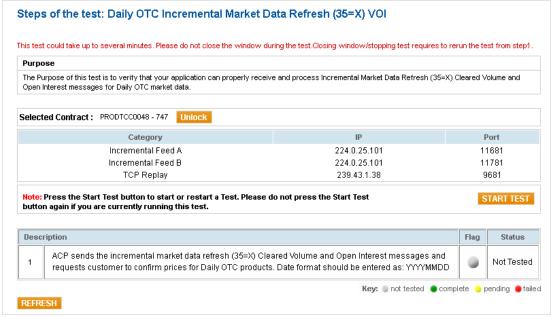
Certification Tests

The AutoCert+ Streamlined SBE OTC End of Day certification tests consist of the following:

- Market Data Refresh (35=X) VOI
- Market Data Refresh (35=X) Settlement
- Recovery via TCP Replay
- Price Precision Extension

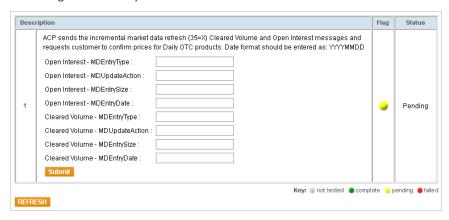
Daily OTC Incremental Market Data Refresh (35=X) VOI

This test verifies that your application can properly receive and process Incremental Market Data Refresh (35=X) Cleared Volume and Open Interest messages for Daily OTC market data.



To complete the Daily OTC Incremental Market Data Refresh (35=X) VOI test:

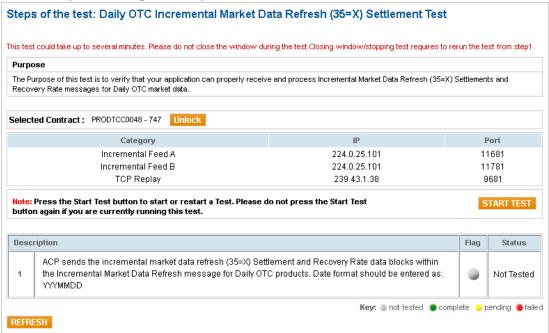
- 1. From the Contracts drop-down, select the desired contract, if the contract is not already locked.
- 2. Click Start Test to begin.
 - Note: DO NOT select the "START TEST" button once the test is in progress.
- 3. Enter the following tag values to confirm that your application received the Incremental Market Data Refresh (35=X) messages with Cleared Volume and Open Interest prices for Daily OTC products.
 - tag 269-MDEntryType
 - tag 279-MDUpdateAction
 - tag 271-MDEntrySize
 - tag 272-MDEntryDate



Click Submit.

Daily OTC Incremental Market Data Refresh (35=X) Settlement

This test verifies that your application can properly receive and process Incremental Market Data Refresh (35=X) Settlement and Recovery Rate messages for Daily OTC market data.

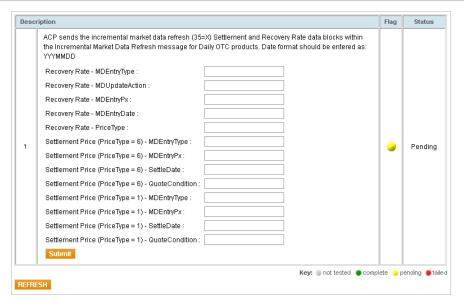


To complete the Daily OTC Incremental Market Data Refresh (35=X) Settlement test:

- 1. From the Contracts drop-down, select the desired contract, if the contract is not already locked.
- 2. Click Start Test to begin.
 - 0

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

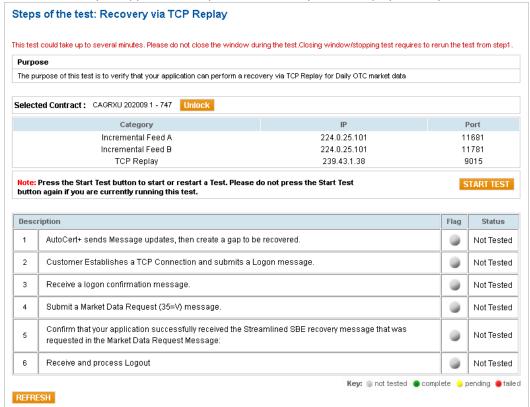
- 3. Enter the following tag values to confirm that your application received the Incremental Market Data Refresh (35=X) messages with Settlement and Recovery Rate data blocks for Daily OTC products.
 - tag 64-SettleDate
 - tag 269-MDEntryType
 - tag 279-MDUpdateAction
 - tag 270-MDEntryPx
 - tag 272-MDEntryDate
 - tag 276-QuoteCondition
 - tag 423-PriceType



Click Submit.

Recovery via TCP Replay

This test verifies your application can perform a recovery via TCP Replay for Daily OTC market data.





To complete the Recovery via TCP Replay test:

- 1. From the Contracts drop-down, select the desired contract, if the contract is not already locked.
- 2. Click Start Test to begin.
 - 0

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

- 3. AutoCert+ sends message updates, then creates a gap to be recovered.
- 4. Establish a TCP connection and submit a Logon message.
- 5. Select **Yes** or **No** to indicate whether or not your application received a Logon confirmation message.
- 6. Submit a Market Data Request (35=V) message.
- 7. Enter the following tag values to confirm that your application received the Streamlined SBE recovery messages requested in the Market Data Request message received:
 - tag 269-MDEntryType
 - tag 279-MDUpdateAction

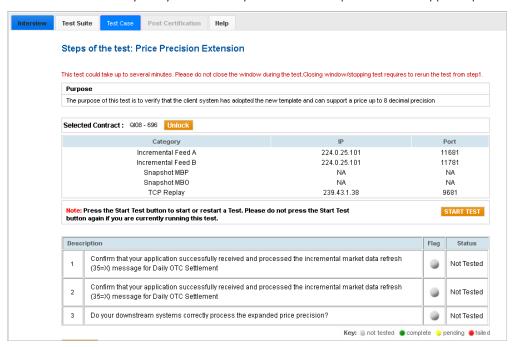


Click Submit.

8. Receive and process the Logout message.

Price Precision Extension

This test validates that your system has adopted the new template and can support a price with up to 8 decimal precision.

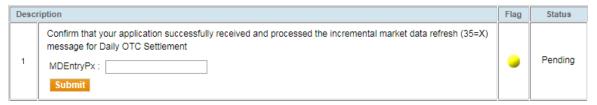


To run the Price Precision Extension test:

1. Click START TEST to begin.

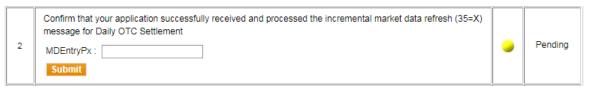


2. Enter the tag 270-MDEntryPx value to confirm that your system successfully received and processed the Market Data Incremental Refresh (35=X) message for Daily OTC Settlements.



Click Submit.

3. Enter the tag 270-MDEntryPx value to confirm that your system successfully received and processed the Market Data Incremental Refresh (35=X) message for Daily OTC Settlements.



Click Submit.

4. Click Yes or No to indicate whether or not your downstream systems correctly process the expanded price precision.