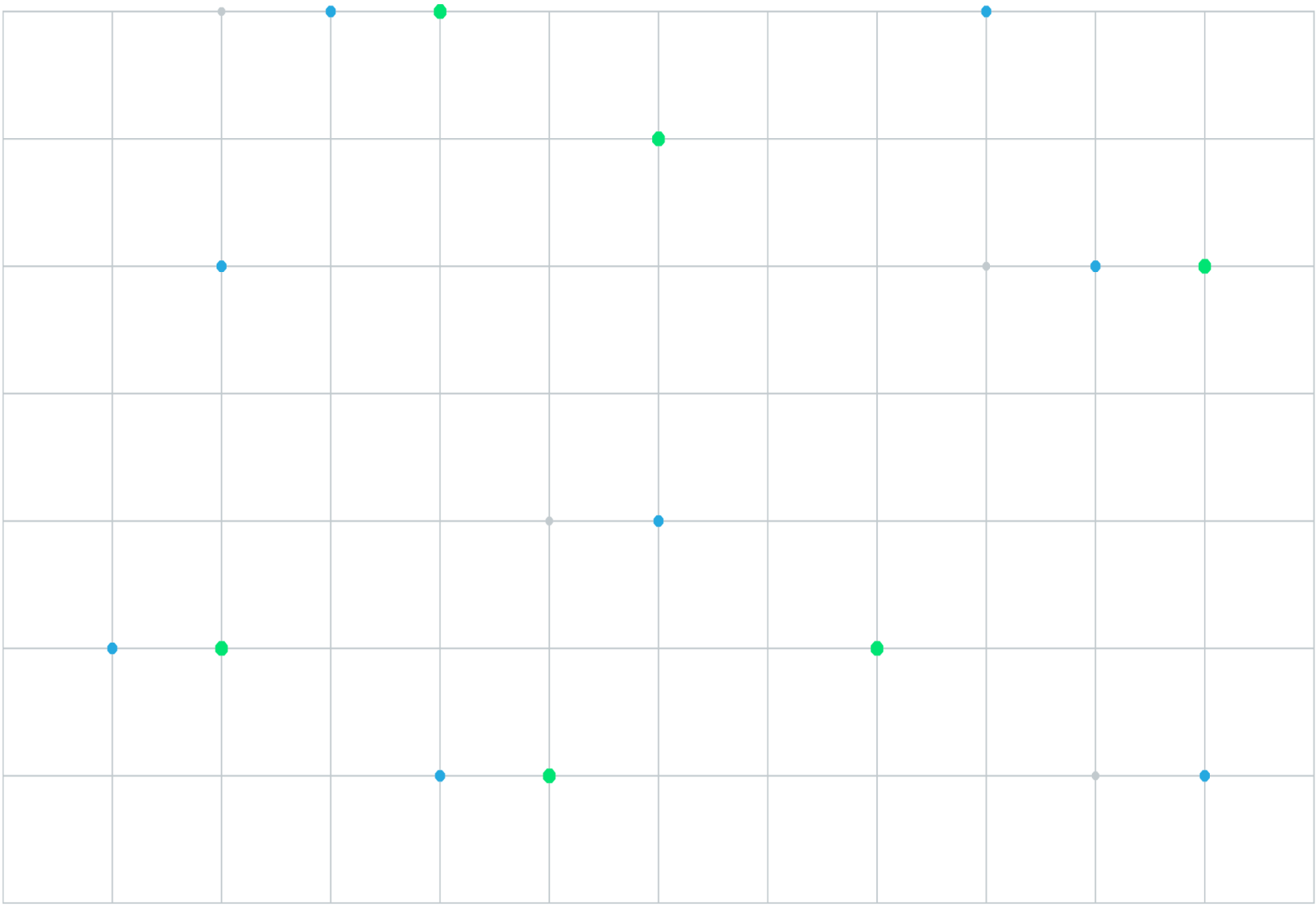
CME Group

AutoCert+ Streamlined SBE Block Trade

26 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 Block Trade 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

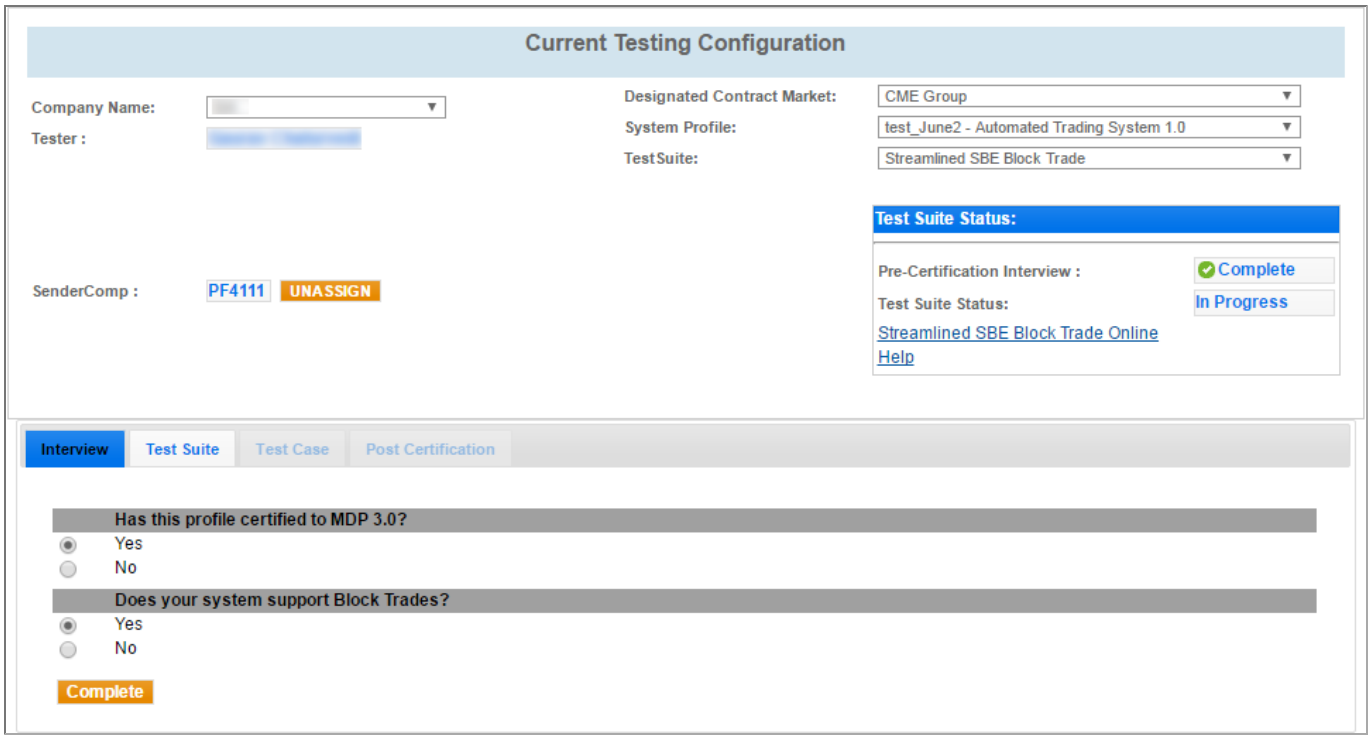
The list below illustrates the updates made to the AutoCert+ Streamlined SBE Block Trade Help system.

Date	Topic	Description
26 Oct 2022	Format	Website and PDF format changes only.
15 Jun 2018		Added Price Precision Extension chapter.
10 Jun 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.



Block Trades

CME Group disseminates Block Trades market data via streamlined SBE[1]. A Block Trade is a privately negotiated futures or option on futures transaction that is executed apart from the public auction market and that is permitted in designated contracts subject to specified conditions.

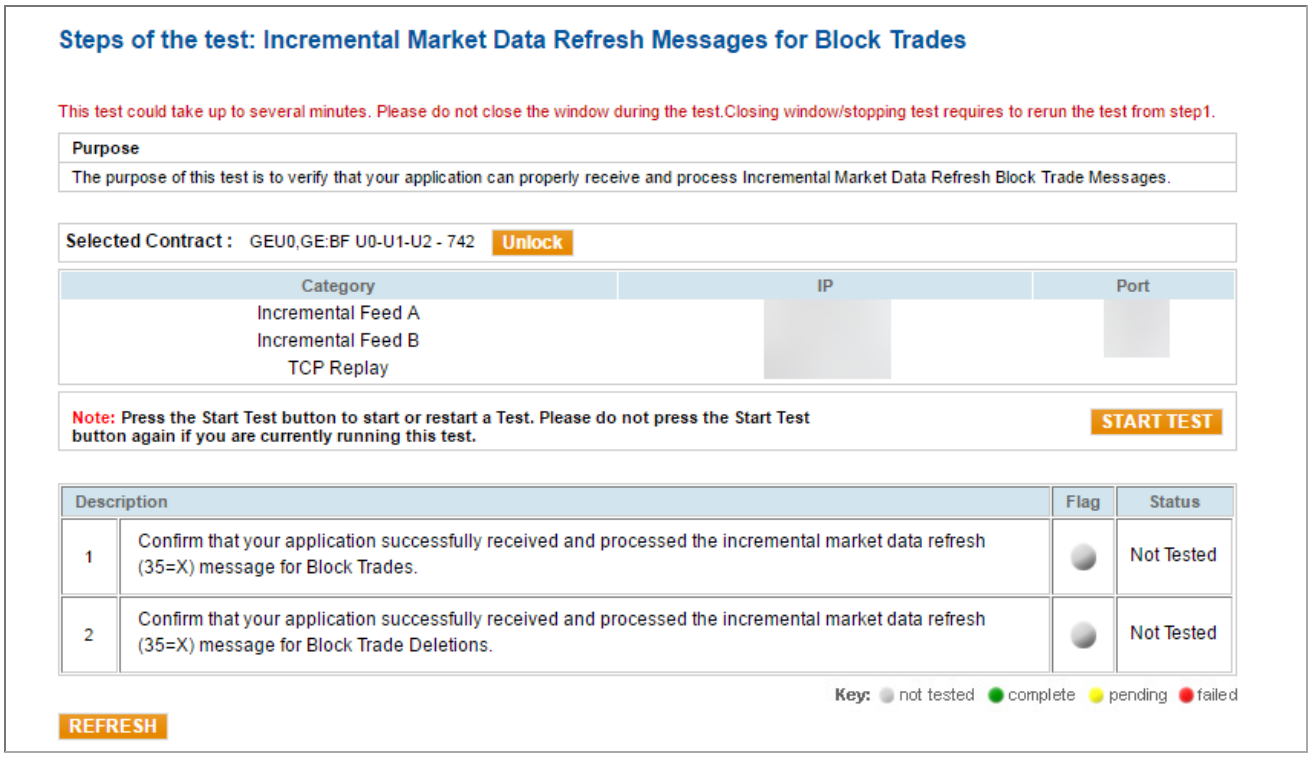
The AutoCert+ Streamlined SBE Block Trade tests consist of the following:

- Incremental Market Data Refresh Messages
- Recovery via TCP Replay
- Support for Spreads
- Price Precision Extension

[1]Streamlined SBE is distinct from MDP3.0 format for CME Globex market data dissemination. As such, streamlined SBE has a dedicated message specification, message template, and Market Data Platform configuration.

Incremental Market Data Refresh Messages

This test verifies that the application properly receives and processes incremental Market Data Refresh Block Trade Messages.

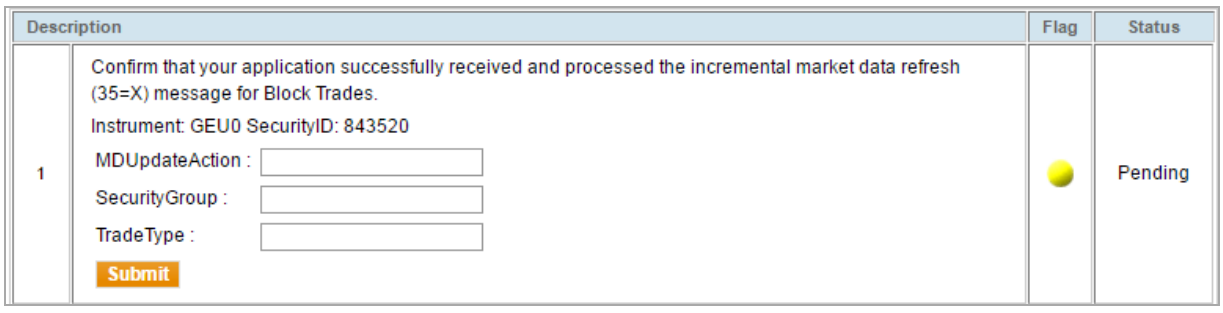


To test the Incremental Market Data Refresh Message:

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.

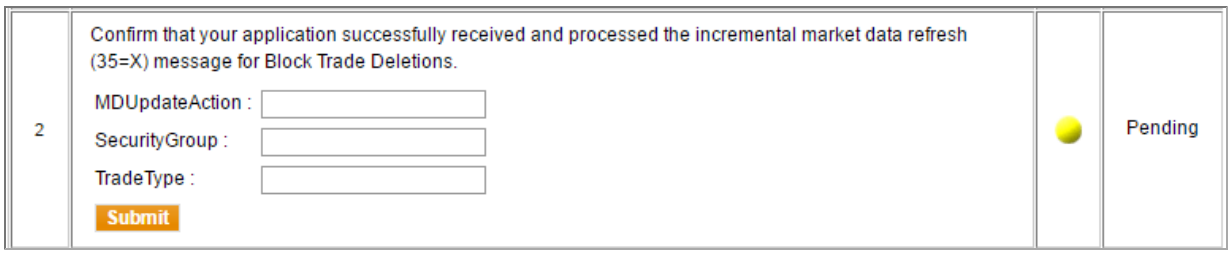
3. Enter the following tag values from the Incremental Market Data Refresh Message for Block Trades that your application received.
   - MDUpdateAction
   - SecurityGroup
   - TradeType



Click **Submit**.

4. Enter the following tag values from the Incremental Market Data Refresh Message for Block Trade Deletions that your application received:

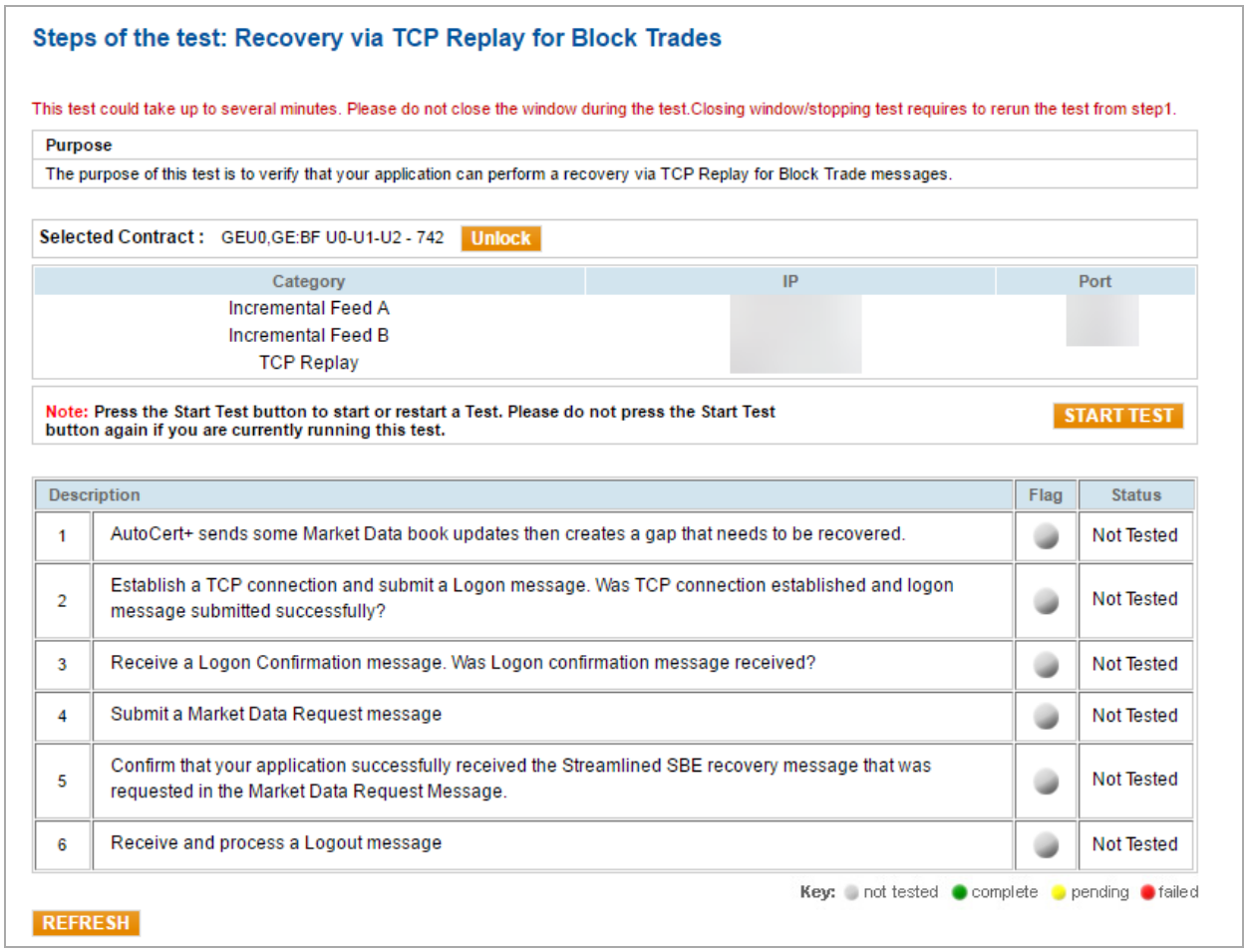
   - MDUpdateAction
   - SecurityGroup
   - TradeType



Click **Submit**.

Recovery via TCP Replay

This test verifies your application can perform a recovery via TCP Replay for Block Trade messages.



To test Recovery via TCP Relay for Block Trades:

Click **START TEST** to begin.

> **Note**: For questions where a YES/NO response is required, **YES** completes the step, **NO** results in a failed step result.

For the Recovery via TCP Relay for Block Trades test, submit and receive the following messages:

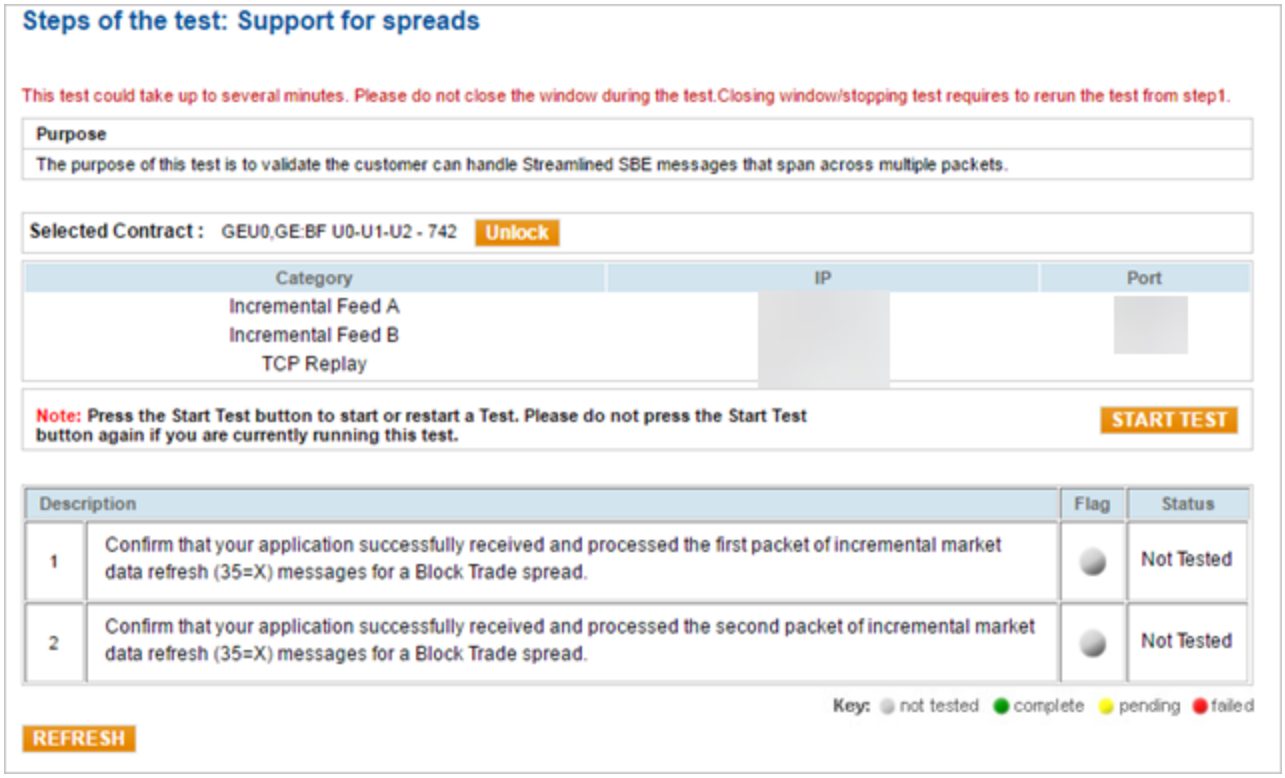
1. AutoCert+ sends market data book updates, then creates a gap to be recovered.
2. TCP connection established and logon message submitted using AutoCert+ credentials? Select **YES** or **NO**.
3. Logon confirmation message received? Select **YES** or **NO**.
4. Market Data Request message submitted.
5. Streamlined SBE recovery messages requested in the Market Data Request message received? Select **YES** or **NO**.

5	Confirm that your application successfully received the Streamlined SBE recovery message that was requested in the Market Data Request Message. MDEntryPx : MDEntrySize : Submit		Pending

6. Receive and process Logout message.

Support for Spreads

This test validates that the customer can handle Streamlined SBE messages that span across multiple packets.



To run the Support for Spreads 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 from the first packet of Market Data Incremental Refresh (35=X) messages for a Block Trade spread that your application received.
   - Spread Name
   - Spread Trade Price
   - Leg 1 Symbol
   - Leg 1 Trade Price
   - Leg 2 Symbol
   - Leg 2 Trade Price

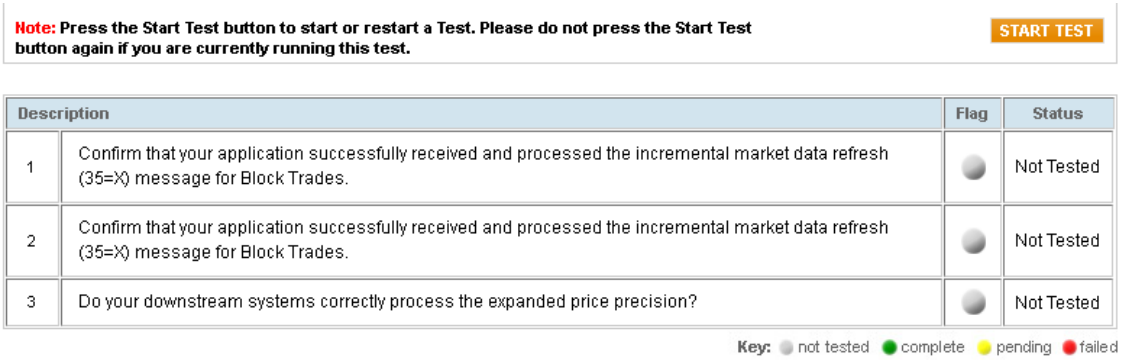
Click **Submit**.

4. Enter the following tag values from the second packet of Market Data Incremental Refresh (35=X) messages for a Block Trade spread that your application received.
    - Leg 3 Symbol
    - Leg 3 Trade Price

Click **Submit**.

Price Precision Extension

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



To run the Price Precision Extension test:

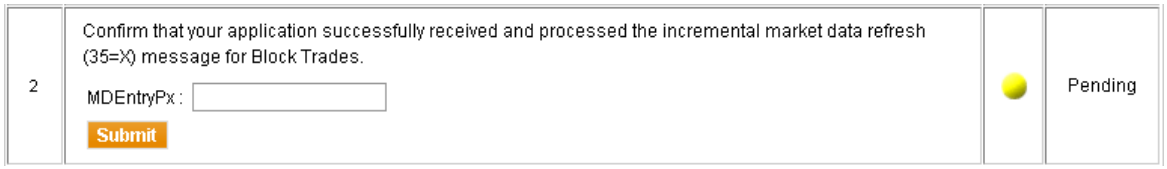
1. Click **START TEST** to begin.

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

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

   Click **Submit**.

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

   Click **Submit**.

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