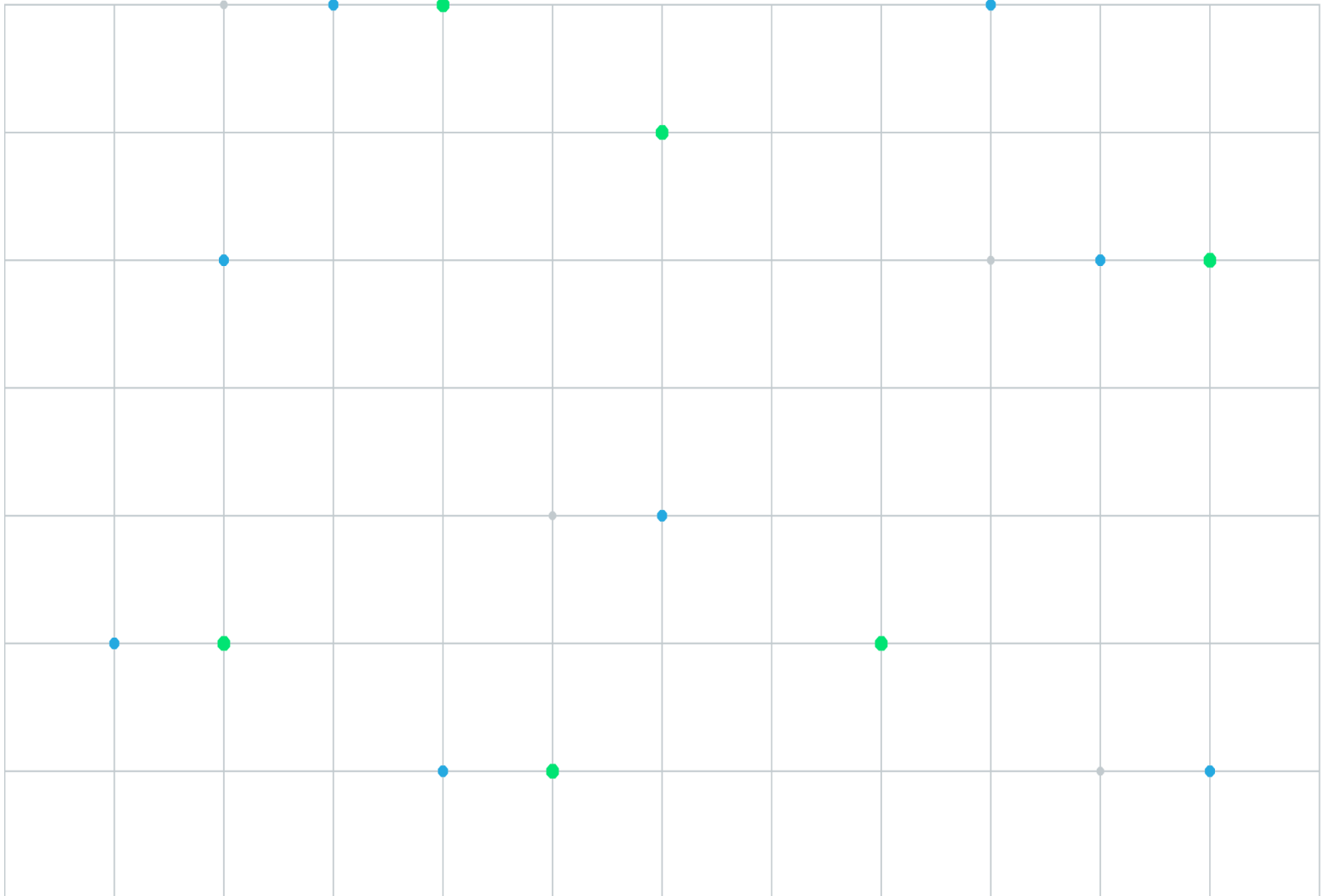


AutoCert+ CME FX Spot+ User Manual

9 December 2024



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Getting Started

The AutoCert+ tool is an automated testing tool for validating application functionality. It provides a web interface for using CME Group certification scenarios.

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

This user manual accompanies the AutoCert+ CME FX Spot+ test suite for certifying your application. For CME customers who want to trade [FX Spot+ EBS](#) products, iLink 3 certification via AutoCert+ is required. MDP 3.0 certification is not required, however, CME Group strongly recommends that client systems test FX Spot+ products in the New Release environment before the production launch.

For CME customers who want to trade [FX Spot+ Futures](#) products, MDP 3.0 certification via AutoCert+ is required for their client systems. Certification for iLink 3 via AutoCert+ is not required, however, CME Group strongly recommends that futures client systems test FX Spot+ trading in notional quantity.

Accessing and Navigating AutoCert+

► To access and navigate AutoCert+:

1. [Log into](#) the automated certification tool.
2. Review general AutoCert+ test suite [navigation](#) and [general interview](#) information.
3. To access the AutoCert+ CME FX Spot+ test suite, select the following settings on the **Current Testing Configuration** screen.
 - a. **Company Name:** Select a company profile.
 - b. **Market:** Select either "EBS" or "Futures & Options" based on the instrument books you are testing.
 - c. **Purpose:** Select either "Order Entry" (EBS) or "Market Data" (Futures & Options).
 - d. **Application System:** Select a test system.
 - e. **Test Suite:** For EBS, select "EBS Order Entry for FX Spot Plus". For futures and options, select "F&O MDP for FX Spot Plus".
 - f. **Identifier:** Select a Sendercomp identifier and click **Assign**. For EBS, only iLink 3 Convenience Gateway (CGW) sessions are supported for trading CME FX Spot Plus.

Current Testing Configuration	
Tester:	Log In
Company Name:	GA
Market:	EBS
Purpose:	Order Entry
Application System:	EBS Order Entry for FX Spot Plus
Test Suite:	EBS Order Entry for FX Spot Plus
NOTE: This test suite utilizes the NEWRELEASE environment.	
Type:	Automated Trading System
Category:	ISV System
1603:	
1604:	1
1605:	BES
Sendercomp:	8DL12JA UNASSIGN
Test Suite Status:	
Pre-Certification Interview:	Not Complete
Test Suite Status:	Not Tested

4. Complete the [Interview](#) for this test suite.
5. Complete the applicable test suite: [EBS Order Entry for FX Spot Plus](#) or [F&O MDP for FX Spot Plus](#).
6. Complete the certification process from the [Post Certification](#) tab.

What's New

The following table shows the updates made to the AutoCert+ CME FX Spot+ Help system.

Date	Topic(s)	Description
9 Dec 2024	FX Spot Plus Statistics Messages	Removed trade cancel step from test. Trade bust not supported on FX Spot+ instruments.
11 Nov 2024	All	Initial release

Interview

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

▶ **To complete the interview:**

1. Select the **Interview** tab.
2. Answer each question and select the **Complete** button.

For the **EBS Order Entry for FX Spot Plus** test suite, answer the following questions:

The screenshot shows the 'Interview' tab selected in a navigation bar. The form contains the following questions and answers:

- How does your application register Administrative Information ? (check all that apply)**
 - Pre-Registration(Service Gateway)
 - On-Demand
- Which order types will your system support ?**
 - Limit order
 - Market limit order
 - Market order with protection
 - Stop limit order
 - Stop order with protection
- Will your system support GFS(Day) Order ? (NOTE: Behave like Day order expiring daily after the market closed)**
 - Yes
 - No
- Will your system support GTC(Good Till Cancel) Order ?**
 - Yes
 - No
- Will your system support GTD(Good Till Date) Order ?**
 - Yes
 - No
- Will your system support FOK(Fill Or Kill) Order ? (NOTE: Tag 59-TimeInForce = 3 with tag 110-MinQty = tag 38-OrderQty)**
 - Yes
 - No
- Will your system support Self Match Prevention ?**
 - Yes
 - No
- Does your system support Order Status functionality ?**
 - Yes
 - No
- Does your system support Mass Order Status functionality ?**
 - Yes
 - No
- Which Mass Order Status Functionality does your system support ?**
 - Market Segment
 - Instrument Group
 - Instrument
 - All Orders
- Cancel on Conclusion will NOT cancel GFS Order on FX Spot Plus instrument. Cancel on Disconnect will NOT cancel GTC and GTD orders.**
 - Acknowledge
 - Not Acknowledge
- GTC and GTD Orders beginning of Week processing will be tested for On-Demand Format during certification. If you are supporting Pre-Registered Format, please test outside AutoCert+ in New Release test environment.**
 - Acknowledge
 - Not Acknowledge

A **Complete** button is located at the bottom left of the form.

For the **F&O MDP for FX Spot Plus** test suite, answer the following questions:

The screenshot shows the 'Interview' tab selected in a navigation bar. The form contains the following questions and answers:

- Which of the following connection type does your application use ?**
 - CME SBE UDP Multicast
 - CME Smart Stream on GCP SBE
- Which of the following ones does your application support ?**
 - Market by Price
 - Market by Order
- Does your system support implied markets ?**
 - Yes
 - No

A **Complete** button is located at the bottom left of the form.

After completing the interview, select the **Test Suite** tab for **EBS Order Entry for FX Spot Plus** or **F&O MDP for FX Spot Plus**.

EBS Order Entry for FX Spot Plus Certification

Use the **Test Suite** tab to run the **EBS Order Entry for FX Spot Plus** certification test cases required to certify your application. You are required to select and run each test in the test suite. Test cases are available based on your [Interview](#) responses.

Current Testing Configuration

Tester: [Redacted]

Company Name:

Market:

Purpose:

Application System:

Test Suite:

NOTE: This test suite utilizes the NEWRELEASE environment.

Type: Automated Trading System

Category: ISV System

1603:

1604: 1

1605: EBS

Sendercomp: 1DA11VA UNASSIGN

Test Suite Status:

Pre-Certification Interview: ● Complete

Test Suite Status: ● Not Tested

Interview
Test Suite
Test Case
Post Certification
Help

EBS Order Entry for FX Spot Plus Certification Tests	Retest	Flag	Status	Mandatory/Optional	Executed By
FX Spot Plus Pre-registration of required party details in Service Gateway for Pre-Registered Format			● Not Tested	Mandatory	Not Available
FX Spot Plus On-demand required party details for On-demand Format			● Not Tested	Mandatory	Not Available
FX Spot Plus GFS(Day) Limit Order Test for Pre-Registered Format			● Not Tested	Mandatory	Not Available
FX Spot Plus GFS(Day) Limit Order Test for On-demand Format			● Not Tested	Mandatory	Not Available
FX Spot Plus GTC(Good Till Cancel) Order Test for Pre-Registered Format			● Not Tested	Mandatory	Not Available
FX Spot Plus GTC(Good Till Cancel) Order Test for On-demand Format			● Not Tested	Mandatory	Not Available
FX Spot Plus GTD(Good Till Date) Order Test Pre-Registered Format			● Not Tested	Mandatory	Not Available
FX Spot Plus GTD(Good Till Date) Order Test On-demand Format			● Not Tested	Mandatory	Not Available
FX Spot Plus FOK(Fill Or Kill) Order Test for Pre-Registered Format			● Not Tested	Mandatory	Not Available
FX Spot Plus FOK(Fill Or Kill) Order Test for On-demand Format			● Not Tested	Mandatory	Not Available
FX Spot Plus Market-Limit Order Test for Pre-Registered Format			● Not Tested	Mandatory	Not Available
FX Spot Plus Market-Limit Order Test for On-demand Format			● Not Tested	Mandatory	Not Available
FX Spot Plus Market Order Test for Pre-Registered Format			● Not Tested	Mandatory	Not Available
FX Spot Plus Market Order Test for On-demand Format			● Not Tested	Mandatory	Not Available
FX Spot Plus Stop Limit Order Test for Pre-Registered Format			● Not Tested	Mandatory	Not Available
FX Spot Plus Stop Limit Order Test for On-demand Format			● Not Tested	Mandatory	Not Available
FX Spot Plus Stop Order Test for Pre-Registered Format			● Not Tested	Mandatory	Not Available
FX Spot Plus Stop Order Test for On-demand Format			● Not Tested	Mandatory	Not Available
FX Spot Plus Self match prevention with Pre-registered administrative SelfMatchPreventionInstruction			● Not Tested	Mandatory	Not Available
FX Spot Plus Self match prevention with On-demand administrative SelfMatchPreventionInstruction			● Not Tested	Mandatory	Not Available
FX Spot Plus Beginning of Week Connection with GT Orders for On-Demand Format			● Not Tested	Mandatory	Not Available
iLink Order Status Request for Pre-Registered Format			● Not Tested	Mandatory	Not Available
iLink Order Status Request for On-demand Format			● Not Tested	Mandatory	Not Available
iLink Order Mass Status Request for all working orders for an instrument group for Pre-Registered Format			● Not Tested	Mandatory	Not Available
iLink Order Mass Status Request for all working orders for an instrument group for On-Demand Format			● Not Tested	Mandatory	Not Available
iLink Order Mass Status Request for all working orders for an instrument for Pre-Registered Format			● Not Tested	Mandatory	Not Available
iLink Order Mass Status Request for all working orders for an instrument for On-Demand Format			● Not Tested	Mandatory	Not Available
Support MOSR functionality for a particular market segment for Pre-Registered Format			● Not Tested	Mandatory	Not Available
Support MOSR functionality for a particular market segment for On-Demand Format			● Not Tested	Mandatory	Not Available
iLink Order Mass Status Request for all working orders for Pre-Registered Format			● Not Tested	Mandatory	Not Available
iLink Order Mass Status Request for all working orders for On-Demand Format			● Not Tested	Mandatory	Not Available

REFRESH

Key: ● not tested ● complete ● pending ● failed

FX Spot Plus Pre-registration of required party details in Service Gateway for Pre-Registered Format

The purpose of this test is to verify that the client system can submit an order with the required party details for trading FX Spot Plus.

This test case is mandatory if you selected **Pre-Registration** (Service Gateway) in the interview question **How does your application register Administrative Information?**

▶ 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**.
3. Submit a [Party Details Definition Request \(35=CX\)](#) message with the required party details to the Service Gateway for trading FX Spot Plus.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Party Details Definition Request Acknowledgment \(35=CY\)](#).
5. Over an iLink connection, submit an order for the FX Spot Plus instrument with the Party Details registered in Step 3.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.

Steps of the test: FX Spot Plus Pre-registration of required party details in Service Gateway for Pre-Registered Format

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 submit an order with the required party details for trading FX Spot Plus.

Selected Instrument(s): **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 Party Details Definition Request(35=CX) message with the required party details to Service Gateway for trading FX Spot Plus.	@	Not Tested
2 Receive and process Party Details Definition Request Acknowledgment.	@	Not Tested
3 Over an iLink connection, submit an order for the FX Spot Plus instrument with the Party Details registered in step 1.	@	Not Tested
4 Receive and Process Execution Report - New Order message.	@	Not Tested

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

Key: @ not tested ● complete ● pending ● failed

FX Spot Plus On-demand required party details for On-demand Format

The purpose of this test is to verify that the client system can submit an order with the required party details for trading FX Spot Plus.

This test case is mandatory if you selected **On-Demand** in the interview question **How does your application register Administrative Information?**

▶ 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**.
3. Over an iLink connection, submit a [Party Details Definition Request \(35=CX\)](#) message with the required party details using On-demand format for trading FX Spot Plus.
4. Submit an order for the FX Spot Plus instrument.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Party Details Definition Request Acknowledgment \(35=CY\)](#).
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.

Steps of the test: FX Spot Plus On-demand required party details for On-demand Format

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 submit an order with the required party details for trading FX Spot Plus.

Selected Instrument(s): **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 Over an iLink connection, submit a Party Details Definition Request(35=CX) message with the required party details using On-demand format for trading FX Spot Plus.	@	Not Tested
2 Submit an order for the FX Spot Plus instrument.	@	Not Tested
3 Receive and process Party Details Definition Request Acknowledgment.	@	Not Tested
4 Receive and Process Execution Report - New Order message.	@	Not Tested

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

Key: @ not tested ● complete ● pending ● failed

FX Spot Plus GFS (Day) Limit Order Test for Pre-Registered Format

The purpose of this test is to verify the client system can submit, receive, and process Acknowledgement, Fill, and Elimination messages when an order expires after the market close.

This test case is mandatory if you selected **Yes** in the interview question **Will your system support GFS Order?**

▶ 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**.
3. Over an iLink connection, submit a GFS Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.
6. Select **Yes** or **No** to indicate whether your system received and processed an [Execution Report - Elimination \(35=8,39=C\)](#) message for eliminating the remaining quantity after the market close.

Steps of the test: FX Spot Plus GFS(Day) Limit Order Test for Pre-Registered Format

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 submit, receive and process the Acknowledgement, Fill and Elimination message when order expired after the market close.

Selected Instrument(s): **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 Over an iLink connection, submit a GFS Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.	<input type="radio"/>	Not Tested
2 Receive and Process Execution Report - New Order message.	<input type="radio"/>	Not Tested
3 Receive and process Execution Report - Trade Outright message.	<input type="radio"/>	Not Tested
4 Eliminating remaining quantity after the market close. Receive and process an Execution Report - Elimination.	<input type="radio"/>	Not Tested

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

Keys: not tested complete pending failed

FX Spot Plus GFS (Day) Limit Order Test for On-Demand Format

The purpose of this test is to verify the client system can submit, receive, and process Acknowledgement, Fill, and Elimination messages when an order expires after the market close.

This test case is mandatory if you selected **Yes** in the interview question **Will your system support GFS Order?**

▶ 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**.
3. Over an iLink connection, submit a GFS Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.
6. Select **Yes** or **No** to indicate whether your system received and processed an [Execution Report - Elimination \(35=8,39=C\)](#) message for eliminating the remaining quantity after the market close.

Steps of the test: FX Spot Plus GFS(Day) Limit Order Test for On-demand Format

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 the client system can submit, receive and process the Acknowledgement, Fill and Elimination message when order expired after the market close.

Selected Instrument(s): **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 Over an iLink connection, submit a GFS Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.	●	Not Tested
2 Receive and Process Execution Report - New Order message.	●	Not Tested
3 Receive and process Execution Report - Trade Outright message.	●	Not Tested
4 Eliminating remaining quantity after the market close. Receive and process an Execution Report - Elimination.	●	Not Tested

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

Keys: ● not tested ● complete ● pending ● failed

FX Spot Plus GTC (Good Till Cancel) Order Test for Pre-Registered Format

The purpose of this test is to verify that the client system can submit a GTC order and process the corresponding response. This test case is mandatory if you selected **Yes** in the interview question **Will your system support GTC Order?**

▶ 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**.
3. Over an iLink connection, submit a Limit GTC Order.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.

Steps of the test: FX Spot Plus GTC(Good Till Cancel) Order Test for Pre-Registered Format

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 submit GTC order and process corresponding response.

Selected Instrument(s): **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 Over an iLink connection, submit a Limit GTC Order.	●	Not Tested
2 Receive and process Execution Report - New Order.	●	Not Tested
3 Receive and process Execution Report - Trade Outright.	●	Not Tested

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

Key: ● not tested ● complete ● pending ● failed

FX Spot Plus GTC (Good Till Cancel) Order Test for On-Demand Format

The purpose of this test is to verify that the client system can submit a GTC order and process the corresponding response.

This test case is mandatory if you selected **Yes** in the interview question **Will your system support GTC Order?**

▶ 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**.
3. Over an iLink connection, submit a Limit GTC Order.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.

Steps of the test: FX Spot Plus GTC(Good Till Cancel) Order Test for On-demand Format

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 submit GTC order and process corresponding response.

Selected Instrument(s): [Instrument Name] **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 Over an iLink connection, submit a Limit GTC Order.	⊖	Not Tested
2 Receive and process Execution Report - New Order.	⊖	Not Tested
3 Receive and process Execution Report - Trade Outright.	⊖	Not Tested

Key: ⊖ not tested ● complete ● pending ● failed

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

FX Spot Plus GTD (Good-Till-Date) Order Test Pre-Registered Format

The purpose of this test is to verify that the client system can submit a GTD order and process the corresponding response. This test case is mandatory if you selected **Yes** in the interview question **Will your system support GTD Order?**

▶ 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**.
3. Over an iLink connection, submit a Limit GTD Order.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.

Steps of the test: FX Spot Plus GTD(Good Till Date) Order Test Pre-Registered Format

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 submit GTD order and process corresponding response.

Selected Instrument(s): **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 Over an iLink connection, submit a Limit GTD Order.	Not Tested	Not Tested
2 Receive and process Execution Report - New Order.	Not Tested	Not Tested
3 Receive and process Execution Report - Trade Outright.	Not Tested	Not Tested

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

Key: not tested complete pending failed

FX Spot Plus GTD (Good-Till-Date) Order Test On-Demand Format

The purpose of this test is to verify that the client system can submit a GTD order and process the corresponding response.

This test case is mandatory if you selected **Yes** in the interview question **Will your system support GTD Order?**

▶ 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**.
3. Over an iLink connection, submit a Limit GTD Order.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.

Steps of the test: FX Spot Plus GTD(Good Till Date) Order Test On-demand Format

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 submit GTD order and process corresponding response.

Selected Instrument(s): **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 Over an iLink connection, submit a Limit GTD Order.	<input type="radio"/>	Not Tested
2 Receive and process Execution Report - New Order.	<input type="radio"/>	Not Tested
3 Receive and process Execution Report - Trade Outright.	<input type="radio"/>	Not Tested

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

Key: not tested complete pending failed

FX Spot Plus FOK (Fill-Or-Kill) Order Test for Pre-Registration Format

FX Spot Plus does not support the (FOK) Fill-Or-Kill order qualifier. The purpose of this test is to ensure customers know how to adjust a FAK (Fill-and-Kill) order to simulate FOK behavior.

This test case is mandatory if you selected **Yes** in the interview question **Will your system support FOK Order?**

▶ 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**.
3. Submit a Limit FAK Order with a quantity of 1 Million and set MinQty the same as OrderQty.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed an [Execution Report - Elimination \(35=8,39=C\)](#) message for eliminating the remaining quantity after the market close.
6. Submit a Limit FAK Order with a quantity of 1 Million and set MinQty the same as OrderQty.
7. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,39=0\)](#) message.
8. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.

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Steps of the test: FX Spot Plus FOK(Fill Or Kill) Order Test for Pre-Registered Format

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
FX Spot Plus does not support the FOK(Fill-Or-Kill) order qualifier. The purpose of this test is to ensure customers know how to adjust an FAK(Fill-and-Kill) order to simulate FOK behavior.

Selected Instrument(s): 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 Limit FAK Order with a quantity of 1 Million and setting MinQty the same as OrderQty.	@	Not Tested
2 Receive and process Execution Report - New Order.	@	Not Tested
3 Receive and process Execution Report - Elimination.	@	Not Tested
4 Submit a Limit FAK Order with a quantity of 1 Million and setting MinQty the same as OrderQty.	@	Not Tested
5 Receive and process Execution Report - New Order.	@	Not Tested
6 Receive and process Execution Report - Trade Outright message.	@	Not Tested

Key: @ not tested ● complete ● pending ● failed

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

FX Spot Plus FOK (Fill-Or-Kill) Order Test for On-Demand Format

FX Spot Plus does not support the (FOK) Fill-Or-Kill order qualifier. The purpose of this test is to ensure customers know how to adjust a FAK (Fill-and-Kill) order to simulate FOK behavior.

This test case is mandatory if you selected **Yes** in the interview question **Will your system support FOK Order?**

▶ 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**.
3. Submit a Limit FAK Order with a quantity of 1 Million and set MinQty the same as OrderQty.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed an [Execution Report - Elimination \(35=8,39=C\)](#) message for eliminating the remaining quantity after the market close.
6. Submit a Limit FAK Order with a quantity of 1 Million and set MinQty the same as OrderQty.
7. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,39=0\)](#) message.
8. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.

The screenshot shows the 'Test Case' tab in the AutoCert+ interface. The title is 'Steps of the test: FX Spot Plus FOK(Fill Or Kill) Order Test for On-demand Format'. Below the title, there is a warning: '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.' The 'Purpose' section states: 'FX Spot Plus does not support the FOK(Fill-Or-Kill) order qualifier. The purpose of this test is to ensure customers know how to adjust an FAK(Fill-and-Kill) order to simulate FOK behavior.' There is a 'Selected Instrument(s):' field with an 'Unlock' button. A note says: '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.' A 'START TEST' button is visible. Below this is a table with 6 rows, each representing a step in the test. The table has columns for 'Description', 'Flag', and 'Status'. All 'Status' values are 'Not Tested'. A key at the bottom indicates: 'Key: ⓪ not tested ● complete ◐ pending ● failed'. A footer note says: '(Test results will automatically refresh for up to 2 minutes)'.

Description	Flag	Status
1 Submit a Limit FAK Order with a quantity of 1 Million and setting MinQty the same as OrderQty.	⓪	Not Tested
2 Receive and process Execution Report - New Order.	⓪	Not Tested
3 Receive and process Execution Report - Elimination.	⓪	Not Tested
4 Submit a Limit FAK Order with a quantity of 1 Million and setting MinQty the same as OrderQty.	⓪	Not Tested
5 Receive and process Execution Report - New Order.	⓪	Not Tested
6 Receive and process Execution Report - Trade Outright message.	⓪	Not Tested

FX Spot Plus Market-Limit Order Test for Pre-Registered Format

The purpose of this test is to verify the client system can submit and cancel a Market-Limit order, and receive and process the Acknowledgement and Fill messages .

This test case is mandatory if you selected **Market Limit Order** in the interview question **Which order types will your system 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**.
3. Over an iLink connection, submit a Market-Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.
6. Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.
7. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message.

Steps of the test: FX Spot Plus Market-Limit Order Test for Pre-Registered Format

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 the client system can submit and cancel a market-limit order and receive and process the Acknowledgement and Fill messages.

Selected Instrument(s): **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 Over an iLink connection, submit Market-Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.	<input type="radio"/>	Not Tested
2 Receive and Process Execution Report - New Order message.	<input type="radio"/>	Not Tested
3 Receive and Process Execution Report - Trade Outright message.	<input type="radio"/>	Not Tested
4 Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.	<input type="radio"/>	Not Tested
5 Receive and process Execution Report - Cancel message.	<input type="radio"/>	Not Tested

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

Key: not tested complete pending failed

FX Spot Plus Market-Limit Order Test for On-Demand Format

The purpose of this test is to verify the client system can submit and cancel a Market-Limit order, and receive and process the Acknowledgement and Fill messages .

This test case is mandatory if you selected **Market Limit Order** in the interview question **Which order types will your system 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**.
3. Over an iLink connection, submit a Market-Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.
6. Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.
7. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message.

Steps of the test: FX Spot Plus Market-Limit Order Test for On-demand Format

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 the client system can submit and cancel a market-limit order and receive and process the Acknowledgement and Fill messages.

Selected instrument(s): 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 Over an iLink connection, submit Market-Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.	<input type="radio"/>	Not Tested
2 Receive and Process Execution Report - New Order message.	<input type="radio"/>	Not Tested
3 Receive and Process Execution Report - Trade Outright message.	<input type="radio"/>	Not Tested
4 Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.	<input type="radio"/>	Not Tested
5 Receive and process Execution Report - Cancel message.	<input type="radio"/>	Not Tested

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

Key: not tested complete pending failed

FX Spot Plus Market Order Test for Pre-Registered Format

The purpose of this test is to verify the client system can submit and cancel a Market Order and receive and process the Acknowledgement and Fill messages.

This test case is mandatory if you selected **Market order with protection** in the interview question **Which order types will your system 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**.
3. Over an iLink connection, submit a Market Order message with a quantity of 1 million for the selected FX Spot Plus instrument.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8\)\(39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.
6. Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.
7. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message.

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Steps of the test: FX Spot Plus Market Order Test for Pre-Registered Format

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 the client system can submit and cancel a market order and receive and process the Acknowledgement and Fill messages.

Selected Instrument(s): 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 Over an iLink connection, submit Market Order message with a quantity of 1 million for the selected FX Spot Plus instrument.	●	Not Tested
2 Receive and Process Execution Report - New Order message.	●	Not Tested
3 Receive and Process Execution Report - Trade Outright message.	●	Not Tested
4 Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.	●	Not Tested
5 Receive and process Execution Report - Cancel message.	●	Not Tested

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

Key: ● not tested ● complete ● pending ● failed

FX Spot Plus Market Order Test for On-Demand Format

The purpose of this test is to verify the client system can submit and cancel a Market Order and receive and process the Acknowledgement and Fill messages.

This test case is mandatory if you selected **Market order with protection** in the interview question **Which order types will your system 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**.
3. Over an iLink connection, submit a Market Order message with a quantity of 1 million for the selected FX Spot Plus instrument.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8\) \(39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.
6. Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.
7. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message.

Steps of the test: FX Spot Plus Market Order Test for On-demand Format

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 the client system can submit and cancel a market order and receive and process the Acknowledgement and Fill messages.

Selected instrument(s): **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 Over an iLink connection, submit Market Order message with a quantity of 1 million for the selected FX Spot Plus instrument.	⊘	Not Tested
2 Receive and Process Execution Report - New Order message.	⊘	Not Tested
3 Receive and Process Execution Report - Trade Outright message.	⊘	Not Tested
4 Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.	⊘	Not Tested
5 Receive and process Execution Report - Cancel message.	⊘	Not Tested

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

Key: ⊘ not tested ● complete ● pending ● failed

FX Spot Plus Stop-Limit Order Test for Pre-Registered Format

The purpose of this test is to verify the client system can submit and cancel a Stop-Limit order and receive and process the Acknowledgement and Fill messages.

This test case is mandatory if you selected **Stop Limit Order** in the interview question **Which order types will your system 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**.
3. Over an iLink connection, submit a Stop-Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message when the Stop is triggered.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.
7. Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.
8. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message.

The screenshot shows a web interface for configuring a test case. At the top, there are navigation tabs: Interview, Test Suite, **Test Case**, Post Certification, and Help. The main heading is "Steps of the test: FX Spot Plus Stop Limit Order Test for Pre-Registered Format". Below this, a warning states: "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." The "Purpose" section explains the test's goal. The "Selected Instrument(s)" field shows "EURUR1025029 - 011" with an "Unlock" button. A "Note" instructs the user to press the "START TEST" button to begin or restart the test. A "START TEST" button is visible, and the status is "Test Not Running". A table lists six test steps with their descriptions, flags, and statuses. A key at the bottom indicates that grey circles represent "not tested", green circles represent "complete", yellow circles represent "pending", and red circles represent "failed". A note at the bottom states: "(Test results will automatically refresh for up to 2 minutes)".

Description	Flag	Status
1 Over an iLink connection, submit Stop-Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.	⊘	Not Tested
2 Receive and Process Execution Report - New Order message.	⊘	Not Tested
3 Receive and Process Execution Report - New Order message when the stop price is triggered.	⊘	Not Tested
4 Receive and Process Execution Report - Trade Outright message.	⊘	Not Tested
5 Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.	⊘	Not Tested
6 Receive and process Execution Report - Cancel message.	⊘	Not Tested

FX Spot Plus Stop-Limit Order Test for On-Demand Format

The purpose of this test is to verify the client system can submit and cancel a Stop-Limit order and receive and process the Acknowledgement and Fill messages.

This test case is mandatory if you selected **Stop Limit Order** in the interview question **Which order types will your system 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**.
3. Over an iLink connection, submit a Stop-Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message when the Stop is triggered.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.
7. Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.
8. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message.

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Steps of the test: FX Spot Plus Stop Limit Order Test for On-demand Format

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 the client system can submit and cancel a stop limit order and receive and process the Acknowledgement and Fill messages.

Selected Instrument(s): 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 Over an iLink connection, submit Stop-Limit Order message with a quantity of 1 million for the selected FX Spot Plus instrument.	●	Not Tested
2 Receive and Process Execution Report - New Order message.	●	Not Tested
3 Receive and Process Execution Report - New Order message when the stop price is triggered.	●	Not Tested
4 Receive and Process Execution Report - Trade Outright message.	●	Not Tested
5 Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.	●	Not Tested
6 Receive and process Execution Report - Cancel message.	●	Not Tested

Key: ● not tested ● complete ● pending ● failed

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

FX Spot Plus Stop Order Test for Pre-Registered Format

The purpose of this test is to verify the client system can submit and cancel a Stop Order and receive and process the Acknowledgement and Fill messages.

This test case is mandatory if you selected **Stop order with protection** in the interview question **Which order types will your system 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**.
3. Over an iLink connection, submit a Stop Order message with a quantity greater than 1.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message when the Stop is triggered.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.
7. Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.
8. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message.

Steps of the test: FX Spot Plus Stop Order Test for Pre-Registered Format

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 the client system can submit and cancel a stop order and receive and process the Acknowledgement and Fill messages.

Selected Instrument(s): **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 Over an iLink connection, submit Stop Order message with a quantity greater than 1.	⊖	Not Tested
2 Receive and Process Execution Report - New Order message.	⊖	Not Tested
3 Receive and Process Execution Report - New Order message when the stop price is triggered.	⊖	Not Tested
4 Receive and Process Execution Report - Trade Outright message.	⊖	Not Tested
5 Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.	⊖	Not Tested
6 Receive and process Execution Report - Cancel message.	⊖	Not Tested

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

Key: ⊖ not tested ● complete ◐ pending ● failed

FX Spot Plus Stop Order Test for On-Demand Format

The purpose of this test is to verify the client system can submit and cancel a Stop Order and receive and process the Acknowledgement and Fill messages.

This test case is mandatory if you selected **Stop order with protection** in the interview question **Which order types will your system 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**.
3. Over an iLink connection, submit a Stop Order message with a quantity greater than 1.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message when the Stop is triggered.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Trade Outright \(35=8,39=1, 2\)](#) message.
7. Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.
8. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message.

Steps of the test: FX Spot Plus Stop Order Test for On-demand Format

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 the client system can submit and cancel a stop order and receive and process the Acknowledgement and Fill messages.

Selected Instrument(s): **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 Over an iLink connection, submit Stop Order message with a quantity greater than 1.	⊘	Not Tested
2 Receive and Process Execution Report - New Order message.	⊘	Not Tested
3 Receive and Process Execution Report - New Order message when the stop price is triggered.	⊘	Not Tested
4 Receive and Process Execution Report - Trade Outright message.	⊘	Not Tested
5 Submit an Order Cancel Request message for the remaining quantity left on the original order submitted.	⊘	Not Tested
6 Receive and process Execution Report - Cancel message.	⊘	Not Tested

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

Keys: ⊘ not tested ● complete ● pending ● failed

FX Spot Plus Self match prevention with Pre-registered administrative SelfMatchPreventionInstruction

The purpose of this test is to verify the client system can correctly support Self Match Prevention functionality. Customers may create and register their Globex Firm ID and SMP ID via the [Request Center NR/CERT](#).

This test case is mandatory if you selected **Yes** in the interview question **Will your system support Self Match Prevention?**, and if you also selected **Pre-Registration (Service Gateway)** in the interview question **How does your application register Administrative Information?**

▶ 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**.
3. Submit a [Party Details Definition Request \(35=CX\)](#) message with a tag 2362-SelfMatchPreventionID value and a tag 8000-SelfMatchPreventionInstruction value of "O" to the Service Gateway for trading FX Spot Plus.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Party Details Definition Request Acknowledgment \(35=CY\)](#).
5. Over an iLink connection, submit a Buy Limit order with the [tag 1505-PartyDetailsListReqID](#) registered in Step 3.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
7. Submit a Sell Limit order using the same [tag 1505-PartyDetailsListReqID](#) and price as the order in Step 5.
8. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message for the Limit order. You should receive tag 378-ExecRestatementReason=103 (Cancel Resting due to Self Match Prevention).
9. Submit a [Party Details Definition Request \(35=CX\)](#) message with the same tag 2362-SelfMatchPreventionID value as Step 3 and a tag 8000-SelfMatchPreventionInstruction value of "N" to the Service Gateway for trading FX Spot Plus.
10. Select **Yes** or **No** to indicate whether your system received and processed the [Party Details Definition Request Acknowledgment \(35=CY\)](#).
11. Over an iLink connection, submit a Buy Order with the [tag 1505-PartyDetailsListReqID](#) registered in Step 9 and the same price as the order in Step 5.
12. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
13. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message for the Limit order. You should receive tag 378-ExecRestatementReason=107 (Cancel Aggressing due to Self Match Prevention).

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

Steps of the test: FX Spot Plus Self match prevention with Pre-registered administrative SelfMatchPreventionInstruction

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 correctly support self match prevention functionality. Customers may register their Globex Firm ID and SMP ID via the Request Center NR/CERT. <https://www.cmegroup.com/tools-information/webhelp/cme-request-center-nr-cert/Content/self-match-prevention-smg.html>

Selected instrument(s):

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 a Party Details Definition Request(35=CX) message with SelfMatchPreventionID and SelfMatchPreventionInstruction with value as "O" to Service Gateway.	<input type="radio"/>	Not Tested
2 Receive and process Party Details Definition Request Acknowledgment.	<input type="radio"/>	Not Tested
3 Over an iLink connection, submit a Buy Order with PartyDetailsListReqID registered in Step 1.	<input type="radio"/>	Not Tested
4 Receive and Process Execution Report - New Order.	<input type="radio"/>	Not Tested
5 Submit a Sell Order with the same PartyDetailsListReqID and price as the order in Step 3.	<input type="radio"/>	Not Tested
6 Receive and Process Execution Report - Cancel for the Limit order.	<input type="radio"/>	Not Tested
7 Submit a Party Details Definition Request(35=CX) message with SelfMatchPreventionID same as Step 1 and SelfMatchPreventionInstruction with value as "N" to Service Gateway.	<input type="radio"/>	Not Tested
8 Receive and process Party Details Definition Request Acknowledgment.	<input type="radio"/>	Not Tested
9 Over an iLink connection, submit a Buy Order with PartyDetailsListReqID registered in Step 7 and the same price as the order in Step 5.	<input type="radio"/>	Not Tested
10 Receive and Process Execution Report - New Order.	<input type="radio"/>	Not Tested
11 Receive and Process Execution Report - Cancel for the Limit order.	<input type="radio"/>	Not Tested

Key: not tested complete pending failed

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

FX Spot Plus Self match prevention with On-demand administrative SelfMatchPreventionInstruction

The purpose of this test is to verify the client system can correctly support Self Match Prevention functionality. Customers may create and register their Globex Firm ID and SMP ID via the [Request Center NR/CERT](#).

This test case is mandatory if you selected **Yes** in the interview question **Will your system support Self Match Prevention?**, and if you also selected **On-demand** in the interview question **How does your application register Administrative Information?**

▶ 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**.
3. Submit a [Party Details Definition Request \(35=CX\)](#) message with a tag 2362-SelfMatchPreventionID value and a tag 8000-SelfMatchPreventionInstruction value of "O" to the Service Gateway for trading FX Spot Plus.
4. Submit a Buy order.
5. Select **Yes** or **No** to indicate whether your system received and processed the [Party Details Definition Request Acknowledgment \(35=CX\)](#).
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
7. Submit a [Party Details Definition Request \(35=CX\)](#) message with the same tag 2362-SelfMatchPreventionID value as Step 3 and a tag 8000-SelfMatchPreventionInstruction value of "O" to the Service Gateway.
8. Submit a Sell Order with the same price as the order in Step 4.
9. Select **Yes** or **No** to indicate whether your system received and processed the [Party Details Definition Request Acknowledgment \(35=CX\)](#).
10. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message for the Limit order. You should receive tag 378-ExecRestatementReason=103 (Cancel Resting due to Self Match Prevention).
11. Submit a [Party Details Definition Request \(35=CX\)](#) message with the same tag 2362-SelfMatchPreventionID value as Step 3 and a tag 8000-SelfMatchPreventionInstruction value of "N" to the Service Gateway for trading FX Spot Plus.
12. Submit a Buy Order with the same price as the order in Step 8.
13. Select **Yes** or **No** to indicate whether your system received and processed the [Party Details Definition Request Acknowledgment \(35=CX\)](#).
14. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
15. Select **Yes** or **No** to indicate whether your system received and processed the [Party Details Definition Request Acknowledgment \(35=CX\)](#).
16. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - Cancel \(35=8,39=4\)](#) message for the Limit order. You should receive tag 378-ExecRestatementReason=107 (Cancel Aggressing due to Self Match Prevention).

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

Steps of the test: FX Spot Plus Self match prevention with On-demand administrative SelfMatchPreventionInstruction

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 correctly support self match prevention functionality. Customers may register their Globex Firm ID and SMP ID via the Request Center NR/CERT <https://www.cmegroup.com/tools-information/webhelp/cme-request-center-nr-cert/Content/self-match-prevention-smo.html>

Selected instrument(s): **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 Over an iLink connection, submit a Party Details Definition Request(35=CX) message with SelfMatchPreventionID and SelfMatchPreventionInstruction with value as "O".		Not Tested
2 Submit a Buy Order.		Not Tested
3 Receive and process Party Details Definition Request Acknowledgment.		Not Tested
4 Receive and Process Execution Report - New Order.		Not Tested
5 Submit a Party Details Definition Request(35=CX) message with SelfMatchPreventionID in Step 1 and SelfMatchPreventionInstruction with value as "O".		Not Tested
6 Submit a Sell Order with the same price as the order in Step 2.		Not Tested
7 Receive and process Party Details Definition Request Acknowledgment.		Not Tested
8 Receive and Process Execution Report - Cancel for the Limit order.		Not Tested
9 Submit a Party Details Definition Request(35=CX) message with SelfMatchPreventionID same as Step 1 and SelfMatchPreventionInstruction with value as "N".		Not Tested
10 Submit a Buy Order with the same price as the order in Step 6.		Not Tested
11 Receive and process Party Details Definition Request Acknowledgment.		Not Tested
12 Receive and Process Execution Report - New Order.		Not Tested
13 Receive and process Party Details Definition Request Acknowledgment.		Not Tested
14 Receive and Process Execution Report - Cancel for the Limit order.		Not Tested

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

Key: not tested complete pending failed

FX Spot Plus Beginning of Week Connection with GT Orders for On-Demand Format

The purpose of this test is to verify that the client system can download a fill that is generated for a GTC or GTD order in the current week before Start of Week Initialization.

This test case is mandatory if you selected **On-Demand** in the interview question **How does your application register Administrative Information**, and **Yes** in either the interview question **Will your system support GTC Order?** or **Will your system support GTD Order?**

▶ 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**.
3. Over an iLink connection, submit a Limit GT Order for the selected FX Spot Plus instrument with a quantity greater than 1 Million (this is to simulate a GT order was entered in the previous week).
4. Start of Week Initialization: CME resets its sequence numbers to "1" for the beginning of week simulation. Submit a [Negotiate \(35=Negotiate\)](#) message.
5. Receive and process a [Negotiation Response \(35=NegotiationResponse\)](#) message.
6. Submit an [Establish \(35=Establish\)](#) message to bind the connection.
7. Select **Yes** or **No** to indicate whether your system received and processed an [Establishment Acknowledgment \(35=EstablishmentAck\)](#) message.
8. Submit a [Retransmit Request \(35=RetransmitRequest\)](#) message for the undelivered Execution Report on the GT order.
9. Select **Yes** or **No** to indicate whether your system received and processed a [Retransmission \(35=Retransmission\)](#) message for the undelivered Execution Report on the GT order.
10. Submit a [Sequence \(35=Sequence\)](#) message.
11. Receive and process a [Sequence \(35=Sequence\)](#) message.

Steps of the test: FX Spot Plus Beginning of Week Connection with GT Orders for On-Demand Format

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 download a fill that is generated for the GT order in the current week before Start of Week Initialization.

Selected Instrument(s): **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 Over an iLink connection, submit a Limit GT Order for the selected FX Spot Plus instrument with a quantity greater than 1 Million(This is to simulate a GT order is entered on the previous week).	●	Not Tested
2 Start of Week Initialization, CME reset its sequence numbers to 1 for beginning of week simulation. Submit a Negotiate message.	●	Not Tested
3 Receive and process a Negotiate Response message.	●	Not Tested
4 Submit an Establish message to bind connection.	●	Not Tested
5 Receive and process a Establishment Acknowledgment message.	●	Not Tested
6 Submit a Retransmit Request message for the undelivered Execution Report on the GT order.	●	Not Tested
7 Receive and process a Retransmission message for the undelivered Execution Report on the GT order.	●	Not Tested
8 Submit a sequence message.	●	Not Tested
9 Receive and process a sequence message.	●	Not Tested

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

Key: ● not tested ● complete ● pending ● failed

iLink Order Status Request for Pre-Registered Format

The purpose of this test is to verify that a customer application can submit an Order Status Request (35=H) and receive an Execution Report - Status (35=8, 150=I) when obtaining status for the order.

This test case is mandatory if you selected **Yes** in the interview question **Does your system support Order Status functionality?**

▶ 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**.
3. Over an iLink connection, send a Limit Order using one of the selected dummy instruments.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Send an [Order Status Request \(35=H\)](#) message for the order in Step 3.
6. Receive and Process [Execution Report - Status \(35=8 & 150=I\)](#).

Steps of the test: iLink Order Status Request for Pre-Registered Format

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 customer application can submit Order Status Request(35=H) and receive Execution Report - Status(35=8, 150=I) when obtaining status for the order.

Selected Instrument(s): EURU1025029 - 611 **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 Over an iLink connection, send a Limit Order message using one of the selected dummy instruments.	⊘	Not Tested
2 Receive and Process Execution Report - New Order.	⊘	Not Tested
3 Send an Order Status Request(35=H) message for the order in step 1.	⊘	Not Tested
4 Receive and Process Execution Report - Status(35=8 & 150=I).	⊘	Not Tested

Key: ⊘ not tested ● complete ◐ pending ● failed

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

iLink Order Status Request for On-Demand Format

The Purpose of this test is to verify that a customer application can submit an Order Status Request (35=H) and receive an Execution Report - Status (35=8, 150=I) when obtaining status for the order.

This test case is mandatory if you selected **Yes** in the interview question **Does your system support Order Status functionality?**

▶ 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**.
3. Over an iLink connection, send a Limit Order using one of the selected dummy instruments.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Send an [Order Status Request \(35=H\)](#) message for the order in Step 3.
6. Receive and Process [Execution Report - Status \(35=8 & 150=I\)](#).

Steps of the test: iLink Order Status Request for On-demand Format

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 customer application can submit Order Status Request(35=H) and receive Execution Report - Status(35=8, 150=I) when obtaining status for the order.

Selected Instrument(s): **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 Over an iLink connection, send a Limit Order message using one of the selected dummy instruments.	<input type="radio"/>	Not Tested
2 Receive and Process Execution Report - New Order.	<input type="radio"/>	Not Tested
3 Send an Order Status Request(35=H) message for the order in step 1.	<input type="radio"/>	Not Tested
4 Receive and Process Execution Report - Status(35=8 & 150=I).	<input type="radio"/>	Not Tested

Key: not tested complete pending failed

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

iLink Order Mass Status Request for all working orders for an instrument group for Pre-Registered Format

The Purpose of this test is to verify that the customer application can submit an Order Mass Status Request (35=AF) and receive an Order Status Request Acknowledgement (35=8, 150=I) when obtaining status for all working orders for an instrument group.

This test case is mandatory if you selected **Instrument Group** in the interview question **Which Mass Order Status Functionality does your system 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**.
3. Over an iLink connection, send a Limit Order using one of the selected dummy instruments.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Submit a second Limit Order for a different instrument in the same instrument group used in Step 3.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
7. Send a [Order Mass Status Request \(35=AF\)](#) message for all working orders for the instrument group used at Step 3.
8. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the first order.
9. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the second order.

Steps of the test: iLink Order Mass Status Request for all working orders for an instrument group for Pre-Registered Format

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 customer application can submit Order Mass Status Request(35=AF) and receive Order Status Request Acknowledgement(35=8, 150=I) when obtaining status for all working order for an instrument group.

Selected Instrument(s): **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 Over an iLink connection, send a Limit Order message using one of the selected dummy instruments.	🚫	Not Tested
2 Receive and Process Execution Report - New Order.	🚫	Not Tested
3 Submit a second Limit Order for different instrument that belongs to the same instrument group used at step 1.	🚫	Not Tested
4 Receive and Process Execution Report - New Order.	🚫	Not Tested
5 Send an Order Mass Status Request(35=AF) message for all working orders for the instrument group used at step 1.	🚫	Not Tested
6 Receive and Process Execution Report - Status(35=8 & 150=I).	🚫	Not Tested
7 Receive and Process Execution Report - Status(35=8 & 150=I).	🚫	Not Tested

Key: 🚫 not tested ● complete ⏸ pending 🛑 fail

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

iLink Order Mass Status Request for all working orders for an instrument group for On-Demand Format

The Purpose of this test is to verify that the customer application can submit an Order Mass Status Request (35=AF) and receive an Order Status Request Acknowledgement (35=8, 150=I) when obtaining status for all working orders for an instrument group.

This test case is mandatory if you selected **Instrument Group** in the interview question **Which Mass Order Status Functionality does your system 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**.
3. Over an iLink connection, send a Limit Order using one of the selected dummy instruments.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Submit a second Limit Order for a different instrument in the same instrument group used in Step 3.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
7. Send a [Order Mass Status Request \(35=AF\)](#) message for all working orders for the instrument group used at Step 3.
8. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the first order.
9. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the second order.

Steps of the test: iLink Order Mass Status Request for all working orders for an instrument group for On-Demand Format

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 customer application can submit Order Mass Status Request(35=AF) and receive Order Status Request Acknowledgement(35=8, 150=I) when obtaining status for all working order for an instrument group.

Selected Instrument(s): **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 Over an iLink connection, send a Limit Order message using one of the selected dummy instruments.	<input type="radio"/>	Not Tested
2 Receive and Process Execution Report - New Order.	<input type="radio"/>	Not Tested
3 Submit a second Limit Order for different instrument that belongs to the same instrument group used at step 1.	<input type="radio"/>	Not Tested
4 Receive and Process Execution Report - New Order.	<input type="radio"/>	Not Tested
5 Send an Order Mass Status Request(35=AF) message for all working orders for the instrument group used at step 1.	<input type="radio"/>	Not Tested
6 Receive and Process Execution Report - Status(35=8 & 150=I).	<input type="radio"/>	Not Tested
7 Receive and Process Execution Report - Status(35=8 & 150=I).	<input type="radio"/>	Not Tested

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

Key: not tested complete pending failed

iLink Order Mass Status Request for all working orders for an instrument for Pre-Registered Format

The Purpose of this test is to verify that customer application can submit an Order Mass Status Request (35=AF) and receive an Order Status Request Acknowledgement (35=8, 150=I) when obtaining status for all working orders for an instrument group.

This test case is mandatory if you selected **Instrument** in the interview question **Which Mass Order Status Functionality does your system 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**.
3. Over an iLink connection, send a Limit Order using one of the selected dummy instruments.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Submit a second Limit Order using the same instrument used in Step 3 increasing the price.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
7. Send a [Order Mass Status Request \(35=AF\)](#) message for all working orders for an instrument.
8. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the first order.
9. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the second order.

Steps of the test: iLink Order Mass Status Request for all working orders for an instrument for Pre-Registered Format

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 customer application can submit Order Mass Status Request(35=AF) and receive Order Status Request Acknowledgement(35=8, 150=I) when obtaining status for all working order for an instrument.

Selected Instrument(s): **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 Over an iLink connection, send a Limit Order message using one of the selected dummy instruments.	⊘	Not Tested
2 Receive and Process Execution Report - New Order.	⊘	Not Tested
3 Submit a second Limit Order using the same instrument used at step 1 increasing the price.	⊘	Not Tested
4 Receive and Process Execution Report - New Order.	⊘	Not Tested
5 Submit an Order Mass Status Request(35=AF) message for all working orders for an instrument.	⊘	Not Tested
6 Receive and Process Execution Report - Status(35=8 & 150=I).	⊘	Not Tested
7 Receive and Process Execution Report - Status(35=8 & 150=I).	⊘	Not Tested

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

Key: ⊘ not tested ● complete ● pending ● failed

iLink Order Mass Status Request for all working orders for an instrument for On-Demand Format

The Purpose of this test is to verify that customer application can submit an Order Mass Status Request (35=AF) and receive an Order Status Request Acknowledgement (35=8, 150=I) when obtaining status for all working orders for an instrument group.

This test case is mandatory if you selected **Instrument** in the interview question **Which Mass Order Status Functionality does your system 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**.
3. Over an iLink connection, send a Limit Order using one of the selected dummy instruments.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Submit a second Limit Order using the same instrument used in Step 3 increasing the price.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
7. Send a [Order Mass Status Request \(35=AF\)](#) message for all working orders for an instrument.
8. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the first order.
9. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the second order.

The screenshot shows the 'Test Case' tab in the AutoCert+ interface. The test case title is 'Steps of the test: iLink Order Mass Status Request for all working orders for an instrument for On-Demand Format'. Below the title, there is a 'Purpose' section and a 'Selected Instrument(s)' field with an 'Unlock' button. A 'START TEST' button is visible. Below the button is a table with 7 rows, each representing a test step. The table has columns for 'Description', 'Flag', and 'Status'. All 'Status' values are 'Not Tested'. A legend at the bottom indicates that a grey circle represents 'not tested', a green circle represents 'complete', a yellow circle represents 'pending', and a red circle represents 'failed'. A note at the bottom left states '(Test results will automatically refresh for up to 2 minutes)'.

Description	Flag	Status
1 Over an iLink connection, send a Limit Order message using one of the selected dummy instruments.	●	Not Tested
2 Receive and Process Execution Report - New Order.	●	Not Tested
3 Submit a second Limit Order using the same instrument used at step 1 increasing the price.	●	Not Tested
4 Receive and Process Execution Report - New Order.	●	Not Tested
5 Submit an Order Mass Status Request(35=AF) message for all working orders for an instrument.	●	Not Tested
6 Receive and Process Execution Report - Status(35=8 & 150=I).	●	Not Tested
7 Receive and Process Execution Report - Status(35=8 & 150=I).	●	Not Tested

Support MOSR functionality for a particular market segment for Pre-Registration Format

The purpose of this test is to verify that the client system customer application can submit an Order Mass Status Request (35=AF) and receive an Order Status Request Acknowledgement (35=8, 150=I) when obtaining status for all working orders for a specific market segment.

This test case is mandatory if you selected **Market Segment** in the interview question **Which Mass Order Status Functionality does your system 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**.
3. Over an iLink connection, submit a Limit Order for the selected instrument.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Using the same instrument, submit a second Limit Order.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
7. Submit a [Mass Status Request \(35=AF\) message with tag 585-MassStatusReqType=100](#) for all orders for a specific Market Segment.
8. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the first order.
9. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the second order.

Steps of the test: Support MOSR functionality for a particular market segment for Pre-Registered Format

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 client system customer application can submit Order Mass Status Request(35=AF) and receive Order Status Request Acknowledgement(35=8, 150=I) when obtaining status for all working order for a specific market segment.

Selected Instrument(s): **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 Over an iLink connection, submit a Limit Order for the selected instrument.	⊖	Not Tested
2 Receive and Process Execution Report - New Order.	⊖	Not Tested
3 Using the same instrument, submit a second Limit Order.	⊖	Not Tested
4 Receive and Process Execution Report - New Order.	⊖	Not Tested
5 Submit Order Status Request(35=AF) message with tag 585-MassStatusReqType=100 for all orders for a specific Market Segment.	⊖	Not Tested
6 Receive and Process Execution Report - Status(35=8 & 150=I).	⊖	Not Tested
7 Receive and Process Execution Report - Status(35=8 & 150=I).	⊖	Not Tested

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

Key: ⊖ not tested ● complete ● pending ● failed

Support MOSR functionality for a particular market segment for On-Demand Format

The purpose of this test is to verify that the client system customer application can submit an Order Mass Status Request (35=AF) and receive an Order Status Request Acknowledgement (35=8, 150=I) when obtaining status for all working orders for a specific market segment.

This test case is mandatory if you selected **Market Segment** in the interview question **Which Mass Order Status Functionality does your system 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**.
3. Over an iLink connection, submit a Limit Order for the selected instrument.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Using the same instrument, submit a second Limit Order.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
7. Submit a [Mass Status Request \(35=AF\) message with tag 585-MassStatusReqType=100](#) for all orders for a specific Market Segment.
8. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the first order.
9. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the second order.

The screenshot shows the 'Test Case' tab in the software interface. It displays the test title, purpose, selected instrument, and a table of test steps. The 'START TEST' button is visible, and the test status is 'Test Not Running'.

Steps of the test: Support MOSR functionality for a particular market segment for On-Demand Format

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 client system customer application can submit Order Mass Status Request(35=AF) and receive Order Status Request Acknowledgement(35=8, 150=I) when obtaining status for all working order for a specific market segment.

Selected Instrument(s): **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 Over an iLink connection, submit a Limit Order for the selected instrument.	<input type="radio"/>	Not Tested
2 Receive and Process Execution Report - New Order.	<input type="radio"/>	Not Tested
3 Using the same instrument, submit a second Limit Order.	<input type="radio"/>	Not Tested
4 Receive and Process Execution Report - New Order.	<input type="radio"/>	Not Tested
5 Submit Order Status Request(35=AF) message with tag 585-MassStatusReqType=100 for all orders for a specific Market Segment.	<input type="radio"/>	Not Tested
6 Receive and Process Execution Report - Status(35=8 & 150=I).	<input type="radio"/>	Not Tested
7 Receive and Process Execution Report - Status(35=8 & 150=I).	<input type="radio"/>	Not Tested

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

Key: not tested complete pending failed

iLink Order Mass Status Request for all working orders for Pre-Registered Format

The Purpose of this test is to verify that the customer application can submit an Order Mass Status Request (35=AF) and receive an Order Status Request Acknowledgement (35=8, 150=I) when obtaining status for all working orders for an instrument group.

This test case is mandatory if you selected **All Orders** in the interview question **Which Mass Order Status Functionality does your system 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**.
3. Over an iLink CGW connection, send a Limit Order message using one of the selected dummy instruments.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Submit a second Limit Order for an instrument different than Step 3.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
7. Send a [Order Mass Status Request \(35=AF\)](#) message for all working orders.
8. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the first order.
9. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the second order.

Steps of the test: iLink Order Mass Status Request for all working orders for Pre-Registered Format

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 customer application can submit Order Mass Status Request(35=AF) and receive Order Status Request Acknowledgement(35=8, 150=I) when obtaining status for all working order.

Selected Instrument(s): **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 Over an iLink CGW connection, send a Limit Order message using one of the selected dummy instruments.	⊖	Not Tested
2 Receive and Process Execution Report - New Order.	⊖	Not Tested
3 Submit a second Limit Order for an instrument different than step 1.	⊖	Not Tested
4 Receive and Process Execution Report - New Order.	⊖	Not Tested
5 Send an Order Mass Status Request(35=AF) message for all working orders.	⊖	Not Tested
6 Receive and Process Execution Report - Status(35=8 & 150=I).	⊖	Not Tested
7 Receive and Process Execution Report - Status(35=8 & 150=I).	⊖	Not Tested

Key: ⊖ not tested ● complete ⏸ pending ● failed
(Test results will automatically refresh for up to 2 minutes)

iLink Order Mass Status Request for all working orders for On-Demand Format

The Purpose of this test is to verify that the customer application can submit an Order Mass Status Request (35=AF) and receive an Order Status Request Acknowledgement (35=8, 150=I) when obtaining status for all working orders for an instrument group.

This test case is mandatory if you selected **All Orders** in the interview question **Which Mass Order Status Functionality does your system 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**.
3. Over an iLink connection, send a Limit Order using one of the selected dummy instruments.
4. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
5. Submit a second Limit Order for a different instrument in the same instrument group used in Step 3.
6. Select **Yes** or **No** to indicate whether your system received and processed the [Execution Report - New Order \(35=8,3-39=0\)](#) message.
7. Send a [Order Mass Status Request \(35=AF\)](#) message for all working orders.
8. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the first order.
9. Receive and process [Execution Report - Status \(35=8 & 150=I\)](#) for the second order.

Steps of the test: iLink Order Mass Status Request for all working orders for On-Demand Format

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 customer application can submit Order Mass Status Request(35=AF) and receive Order Status Request Acknowledgement(35=8, 150=I) when obtaining status for all working order.

Selected Instrument(s): **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 Over an iLink CGW connection, send a Limit Order message using one of the selected dummy instruments.	⊖	Not Tested
2 Receive and Process Execution Report - New Order.	⊖	Not Tested
3 Submit a second Limit Order for an instrument different than step 1.	⊖	Not Tested
4 Receive and Process Execution Report - New Order.	⊖	Not Tested
5 Send an Order Mass Status Request(35=AF) message for all working orders.	⊖	Not Tested
6 Receive and Process Execution Report - Status(35=8 & 150=I).	⊖	Not Tested
7 Receive and Process Execution Report - Status(35=8 & 150=I).	⊖	Not Tested

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

Key: ⊖ not tested ● complete ◐ pending ● failed

Futures and Options MDP for FX Spot Plus Certification

Use the **Test Suite** tab to run the **F&O MDP for FX Spot Plus** certification test cases required to certify your application. You are required to select and run each test case in the test suite. Test cases are available based on your [Interview](#) responses.

Current Testing Configuration

Tester: [View Tester](#)

Company Name:

Markets:

Purpose:

Application System:

Test Suite:

NOTE: This test suite utilizes the NEWRELEASE environment.

Type: Automated Trading System

Category: Prop System

1603:

1604: MarketData

1605: MarketData

Identifier: JNNRBO UNASSIGN

Test Suite Status:

Pre-Certification Interview: ● Complete

Test Suite Status: ● Not Tested

NOTE: You chose a testing Application System. If your intention is to certify, please choose a different Application System from the drop-down.

Interview
Test Suite
Test Case
Post Certification
Help

F&O MDP for FX Spot Plus Certification Tests	Retest	Flag	Status	Mandatory/Optional	Executed By
Security Definition Messages For FX Spot Plus			Not Tested	Mandatory	Not Available
FX Spot Plus Book Management Messages for Market by Price (MBP)			Not Tested	Mandatory	Not Available
FX Spot Plus Book Management Messages for Market by Order (MBO)			Not Tested	Mandatory	Not Available
FX Spot Plus Consolidated Book Management Messages for Market by Price (implied)			Not Tested	Mandatory	Not Available
FX Spot Plus Implied Order Book Management for Market by Order Systems			Not Tested	Mandatory	Not Available
FX Spot Plus Consolidated Recovery Test for Market by Price (implied)			Not Tested	Mandatory	Not Available
FX Spot Plus Implied Recovery Test for Market by Order Systems			Not Tested	Mandatory	Not Available
FX Spot Plus Static Messages			Not Tested	Mandatory	Not Available

REFRESH

Key: ● not tested ● complete ● pending ● failed

Security Definition Messages For FX Spot Plus

The purpose of this test is to verify that your application can properly receive and process FX Spot Plus Security Definition Messages.

This test case is mandatory.

▶ To run the test

1. On the **Test Case** tab, use the **Instrument(s)** drop down menu to choose an instrument and channel and click **SELECT**.
2. Select **START TEST**.
3. Confirm that your application successfully received and processed the [Security Definition](#) Message.

The screenshot shows a software interface for configuring a test case. At the top, there are tabs: 'Interview', 'Test Suite', 'Test Case' (which is active), 'Post Certification', and 'Help'. Below the tabs, the title is 'Steps of the test: Security Definition Messages For FX Spot Plus'. A warning message states: '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.' Under the 'Purpose' section, it says: 'The purpose of this test is to verify that your application can properly receive and process FX Spot Plus Security Definition Messages.' There is an 'Instrument(s):' field with a dropdown menu showing 'Select Instrument(s) - Channel' and a 'Select' button. Below this is a table with columns 'Description', 'Flag', and 'Status'. The table contains one row with the description 'Confirm that your application successfully received and processed the Security Definition Message.', a flag icon, and the status 'Not Tested'. A key at the bottom indicates: 'Key: @ not tested, ● complete, ● pending, ● failed'. A note at the bottom left says: '(Test results will automatically refresh for up to 2 minutes)'.

Description	Flag	Status
1 Confirm that your application successfully received and processed the Security Definition Message.	@	Not Tested

FX Spot Plus Book Management Messages for Market by Price (MBP)

The purpose of this test is to verify that your application can properly receive and process book management information for non-implied markets.

This test case is mandatory if you selected **Market by Price** in the interview question **Which of the following ones 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**.
3. Select **Yes** or **No** to confirm books are empty for the selected instruments.
4. Receive a set of orders for the instrument.
5. Receive cancellations for orders.
6. Confirm [quantities](#) and [prices](#) on the book for the instrument, which varies based on the instrument book sent.

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

Steps of the test: FX Spot Plus Book Management Messages for Market by Price (MBP)

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 your application can properly receive and process book management information for non implied markets.

Instrument(s): **Select**

Description	Flag	Status
1 Confirm books are empty for selected instruments.	●	Not Tested
2 Receive a set of orders for the instrument.	●	Not Tested
3 Receive cancellations for orders.	●	Not Tested
4 Confirm quantities and prices on the book for the instrument.	●	Not Tested

Keys: @ not tested ● complete ● pending ● failed

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

FX Spot Plus Book Management Messages for Market by Order (MBO)

The purpose of this test is to verify that your application can properly receive and process book management information for non-implied markets.

This test case is mandatory if you selected **Market by Order** in the interview question **Which of the following ones 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**.
3. Select **Yes** or **No** to confirm books are empty for the selected instruments.
4. Receive a set of orders for the instrument.
5. Receive cancellations for orders.
6. For each order, confirm the price ([MDEntryPx](#)) and quantity ([MDEntrySize](#)) by its priority in the book for the displayed instrument, which varies based on the instrument book sent.

Steps of the test: FX Spot Plus Book Management Messages for Market by Order (MBO)

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 your application can properly receive and process book management information for non implied markets.

Instrument(s):

Description	Flag	Status
1 Confirm books are empty for selected instruments.	⊖	Not Tested
2 Receive a set of orders for the instrument.	⊖	Not Tested
3 Receive cancellations for orders.	⊖	Not Tested
4 For each order, confirm the price and quantity by its priority in the book using the following instrument.	⊖	Not Tested

Key: ⊖ not tested ● complete ⏸ pending ❌ failed

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

FX Spot Plus Consolidated Book Management Messages for Market by Price (Implied)

The purpose of this test is to verify that your application can properly receive and process book management information for implied markets.

This test case is mandatory if you selected **Yes** in the interview question **Does your system support implied markets?**, and selected **Market by Price** in the interview question **Which of the following ones 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**.
3. Select **Yes** or **No** to confirm books are empty for the selected instruments.
4. Receive a set of orders for the instrument.
5. Receive cancellations for orders.
6. Confirm [quantities](#) and [prices](#) on the book for the instrument, including the [implied book](#). The instrument varies based on the instrument book sent.

Steps of the test: FX Spot Plus Consolidated Book Management Messages for Market by Price (implied)

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 your application can properly receive and process book management information for implied markets.

Instrument(s):

Description	Flag	Status
1 Confirm books are empty for selected instruments.	<input type="radio"/>	Not Tested
2 Receive a set of orders for one of the selected instrument.	<input type="radio"/>	Not Tested
3 Receive cancellations for orders.	<input type="radio"/>	Not Tested
4 Confirm quantities and prices on the book for one of the selected instrument (including implied book).	<input type="radio"/>	Not Tested

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

Keys: not tested complete pending failed

FX Spot Plus Implied Order Book Management for Market by Order Systems

The purpose of this test is to verify that your application can properly receive and process book management information for implied markets.

This test case is mandatory if you selected **Yes** in the interview question **Does your system support implied markets?** , and selected **Market by Order** in the interview question **Which of the following ones 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**.
3. Select **Yes** or **No** to confirm books are empty for the selected instruments.
4. Receive a set of orders for the instrument.
5. For each order, confirm the price ([MDEntryPx](#)) and quantity ([MDEntrySize](#)) by its priority in the book for the displayed instrument, which varies based on the instrument book sent.
6. Confirm the [implied](#) quantities and prices on the book for the same instrument. The instrument varies based on the instrument book sent.

Steps of the test: FX Spot Plus Implied Order Book Management for Market by Order Systems

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 your application can properly receive and process book management information for implied markets.

Instrument(s):

Description	Flag	Status
1 Confirm books are empty for selected instruments.	⊙	Not Tested
2 Receive a set of orders for one of the selected instrument.	⊙	Not Tested
3 For each order, confirm the price and quantity by its priority in the book using the following instrument.	⊙	Not Tested
4 Confirm the implied quantities and prices on the book for the same instrument.	⊙	Not Tested

Key: ⊙ not tested ● complete ● pending ● failed

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

FX Spot Plus Consolidated Recovery Test for Market by Price (Implied)

The purpose of this test is to verify that your application can perform a recovery test for implied books. For example, if a user does not receive all messages from the system during a trading session, it will be necessary to perform a recovery to update the books.

This test case is mandatory if you selected **Yes** in the interview question **Does your system support implied markets?**, and selected **Market by Price** in the interview question **Which of the following ones 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**.
3. Select **Yes** or **No** to confirm books are empty for the selected instruments.
4. Receive market data for a set of orders and cancels for the instrument.
5. Miss market data for a set of orders and cancels, and recover the messages with the snapshot feed.
6. Receive market data for a set of orders and cancels for the recovery instrument.
7. Confirm [quantities](#) and [prices](#) on the book for the instrument, including the [implied book](#). The instrument varies based on the instrument book sent.

Steps of the test: FX Spot Plus Consolidated Recovery Test for Market by Price (Implied)

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 perform a recovery test for implied books. For example, if a user does not receive all messages from the system during a trading session, it will be necessary to perform recovery to update the books.

Instrument(s):

Description	Flag	Status
1 Confirm books are empty for selected instruments.	<input type="radio"/>	Not Tested
2 Receive market data for a set of orders and cancels for the instrument.	<input type="radio"/>	Not Tested
3 Miss market data for a set of orders and cancels and to recover with snapshot feed.	<input type="radio"/>	Not Tested
4 Receive market data for a set of orders and cancels for the recovery instrument.	<input type="radio"/>	Not Tested
5 Confirm quantities and prices on the book for the selected instrument(including implied book).	<input type="radio"/>	Not Tested

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

Keys: not tested complete pending failed

FX Spot Plus Implied Recovery Test for Market by Order Systems

The purpose of this test is to verify that your application can perform a recovery test for implied books. For example, if a user does not receive all messages from the system during a trading session, it will be necessary to perform a recovery to update the books.

This test case is mandatory if you selected **Yes** in the interview question **Does your system support implied markets?** , and selected **Market by Order** in the interview question **Which of the following ones 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**.
3. Select **Yes** or **No** to confirm books are empty for the selected instruments.
4. Receive market data for a set of orders and cancels for the instrument.
5. Miss market data for a set of orders and cancels and recover the messages with the snapshot feed.
6. Receive market data for a set of orders and cancels for the recovery instrument.
7. Confirm [quantities](#) and [prices](#) on the book for the instrument, including the [implied book](#). The instrument varies based on the instrument book sent.

Steps of the test: FX Spot Plus Implied Recovery Test for Market by Order Systems

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 your application can perform a recovery test for implied books. For example, if a user does not receive all messages from the system during a trading session, it will be necessary to perform recovery to update the books.

Instrument(s): [Select Instrument(s) - Channel] **Select**

Description	Flag	Status
1 Confirm books are empty for selected instruments.	⊘	Not Tested
2 Receive market data for a set of orders and cancels for the instrument.	⊘	Not Tested
3 Miss market data for a set of orders and cancels and to recover with snapshot feed.	⊘	Not Tested
4 Receive market data for a set of orders and cancels for the recovery instrument.	⊘	Not Tested
5 Confirm quantities and prices on the book for the selected instrument (including implied book).	⊘	Not Tested

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

Key: ⊘ not tested ● complete ● pending ● failed

FX Spot Plus Recovery Test for Market by Price (MBP)

The purpose of this test is to verify that your application can perform a recovery test. For example, if a user does not receive all messages from the system during a trading session, it will be necessary to perform a recovery to update the books.

This test case is mandatory if you selected **No** in the interview question **Does your system support implied markets?**, and selected **Market by Price** in the interview question **Which of the following ones 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**.
3. Select **Yes** or **No** to confirm books are empty for the selected instruments.
4. Receive market data for a set of orders and cancels for the instrument.
5. Miss market data for a set of orders and cancels and recover the messages with the snapshot feed.
6. Receive market data for a set of orders and cancels for the recovery instrument.
7. Confirm [quantities](#) and [prices](#) on the book for the instrument (non-implied). The instrument varies based on the instrument book sent.

Steps of the test: FX Spot Plus Recovery Test for Market by Price (MBP)

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 your application can perform a recovery test. For example, if a user does not receive all messages from the system during a trading session, it will be necessary to perform recovery to update the books.

Instrument(s):

Description	Flag	Status
1 Confirm books are empty for selected instruments.	<input type="radio"/>	Not Tested
2 Receive market data for a set of orders and cancels for the instrument.	<input type="radio"/>	Not Tested
3 Miss market data for a set of orders and cancels and to recover with snapshot feed.	<input type="radio"/>	Not Tested
4 Receive market data for a set of orders and cancels for the recovery instrument.	<input type="radio"/>	Not Tested
5 Confirm quantities and prices on the book for the selected instrument (non implied).	<input type="radio"/>	Not Tested

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

Key: not tested complete pending failed

FX Spot Plus Recovery Test for Market by Order

The purpose of this test is to verify that your application can perform a recovery test for non-implied books. For example, if a user does not receive all messages from the system during a trading session, it will be necessary to perform a recovery to update the books.

This test case is mandatory if you selected **No** in the interview question **Does your system support implied markets?**, and selected **Market by Order** in the interview question **Which of the following ones 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**.
3. Select **Yes** or **No** to confirm books are empty for the selected instruments.
4. Receive market data for a set of orders and cancels for the instrument.
5. Miss market data for a set of orders and cancels and recover the messages with the snapshot feed.
6. Receive market data for a set of orders and cancels for the recovery instrument.
7. Confirm [quantities](#) and [prices](#) on the book for the instrument. The instrument varies based on the instrument book sent.

Steps of the test: FX Spot Plus Recovery Test for Market by Order (MBO)

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 your application can perform a recovery test for non-implied books. For example, if a user does not receive all messages from the system during a trading session, it will be necessary to perform recovery to update the books.

Instrument(s):

Description	Flag	Status
1 Confirm books are empty for selected instruments.	<input type="radio"/>	Not Tested
2 Receive market data for a set of orders and cancels for the instrument.	<input type="radio"/>	Not Tested
3 Miss market data for a set of orders and cancels and to recover with snapshot feed.	<input type="radio"/>	Not Tested
4 Receive market data for a set of orders and cancels for the recovery instrument.	<input type="radio"/>	Not Tested
5 For each order, confirm the price and quantity by its priority in the book using the following instrument.	<input type="radio"/>	Not Tested

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

Key: not tested complete pending failed

FX Spot Plus Statistic Messages

The purpose of this test is to verify that your application can properly receive and process statistic messages. This test case is mandatory.

▶ To run the test

1. On the **Test Case** tab, use the **Instrument(s)** drop down menu to choose an instrument and channel and click **SELECT**.
2. Select **START TEST**.
3. A trade summary was sent. Please validate the following values based on the instrument book sent (instrument varies).
 - [tag 270-MDEntryPx](#)
 - [tag 271-MDEntrySize](#)
4. Electronic volume statistics were sent. Please validate the following value: [tag 271-MDEntrySize](#).
5. A trading session high price was sent. Please validate the following value: [tag 270-MDEntryPx](#).
6. A session low offer was sent. Please validate the following value based on the instrument book sent (instrument varies): [tag 270-MDEntryPx](#).

The screenshot shows the 'Test Case' tab in a software interface. The title is 'Steps of the test: FX Spot Plus Statistic Messages'. Below the title, there is a warning: '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.' The 'Purpose' section states: 'The purpose of this test is to verify that your application can properly receive and process statistic messages.' There is a dropdown menu for 'Instrument(s):' with the text 'Select Instrument(s) - Channel' and a 'Select' button. Below this is a table with 4 rows and 3 columns: 'Description', 'Flag', and 'Status'. All 'Status' values are 'Not Tested'. At the bottom, there is a key: 'Key: @ not tested ● complete ● pending ● failed' and a note: '(Test results will automatically refresh for up to 2 minutes)'.

Description	Flag	Status
1 A trade summary was sent. Please validate the following values.	@	Not Tested
2 Electronic volume statistics were sent. Please validate the following values.	@	Not Tested
3 A trading session high price was sent. Please validate the following values.	@	Not Tested
4 A session low offer was sent. Please validate the following values.	@	Not Tested