

MIT502

Guide to Application Certification

Issue 7.6 | April 2021



BORSA ITALIANA

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1. INTRODUCTION

1.1. Purpose

The purpose of this document is to provide customers with a detailed overview of the Certification service.

Borsa Italiana SpA. restricts access to its Live Services to software applications that have not completed the software certification process. The Live Services are all Trading and Information Services on Borsa Italiana Venue.

1.2. Readership

This document is particularly relevant to software developers, system testers and anyone else involved in developing a software application for use on any of the Live Services.

This document should be read in conjunction with Borsa Italiana Millennium Technical Specifications and the product specific 'Guide to Testing Services' documents. Together, these documents provide all of the relevant information that customers require to develop and certify to the services.

1.3. Document Series

This document is part of a series of Customer Testing documents that are available to customers. The other documents are:

- MIT201 - Guide to New Trading System – BIT
- MIT301- Guide to Market Data Services
- MIT501 - Guide to Customer Testing on Millennium Exchange
- MIT503 - Certification Test Report
- MIT801 - Reject Codes and Reasons
- TRM2 - Millennium Exchange Business Parameters

1.4. Document History

This document has been through the following iterations:

Issue	Date	Description
1.0	March 2012	First release of this document published via the Exchange's website
2.0	April 2013	Document updated for Release 8.0 and published via the Exchange's website
3.0	June 2013	Document updated for Annual Certification and published via the Exchange's website
4.0	April 2014	Updated to include GTP lite testing requirements
5.0	July 2015	Amended Annual Certification policy, Removed Application Passporting, Removed non-Borsa test cases
6.0	November 2015	Added test case MIT-033a and MIT-033b
7.0	March 2016	Added test case MIT-033c, Updated contact details
7.1	June 2017	Updated section 2.0 with the new certification policy
7.2	July 2017	Update section: add 2.3 modify 5.4 MIT-029, section 5.5 MIT-033d and section 5.9 Removed MIT-052,53 and 54
7.3	August 2018	Update section 5.6: review MIT-043,44. Added MIT-043b and MIT-044b. Added section 5.14: added test cases MIT069,70 and 71
7.4	June 2019	Section 5.14 has been added: MIT-072 and MIT-073 test cases added

7.5	February 2021	Section 5.5 has been updated: test cases MIT-043c and MIT-043d added Section 5.15 has been added to include all the test cases specific for ETLX: TLX-005, TLX-09d, TLX-015b, TLX-015c
7.6	April 2021	Euronext Rebranding

In subsequent issues, where amendments have been made to the previous version, these changes will be identified using a series of side bars as illustrated opposite.

1.5 Contacts

Please contact Market Access Italy team if you have any functional questions about conformance procedures:

- **Market access Italy**
- Phone Number: **+39 02 72426668**
- Email: **market-access@borsaitaliana.it**

2. CERTIFICATION PROGRAMME

The Certification Programme is based on regulatory compliance supporting interoperability against the Borsa Italiana venues.

The following Certification Programme applies to anyone connecting a software application to a Borsa Italiana Live Service. A Live service is any production Trading or Information Services environment in Borsa Italiana SpA..

Under EU and national regulatory requirements (including the ESMA Guidelines on Systems and Controls in a Highly Automated Trading Environment) Borsa Italiana SpA are required to have procedures and arrangements to ensure fair and orderly trading. This includes requirements for physical and electronic security to protect systems from misuse or unauthorized access and to ensure the integrity of the data that is part of or passes through the systems. The eligible venues are required to undertake standardized certification testing to ensure that members and participants systems used to access the venues have a minimum level of functionality that is compatible with fair and orderly trading on those venues.

Customer non-compliance with this certification program may constitute a breach of the eligible venue terms and conditions or rules.

2.1. Access to the Live Service

Access to the Borsa Italiana SpA Live Services is permitted only when a customer's software application has been certified as being fit for purpose.

2.2. Software Identification

All customer software must be identifiable by a software name and version number. Software applications that do not have both a name and version number will not be certified. Certification is limited to a single version of the named software.

2.3. Mandatory Certification Requirements

Customer confirms that the certified application is fully conformant to all aspects of the GTP Technical Specifications and technically behaves as described in the GTP002 documents. Customer also confirms that its application correctly receives and manages all the market data messages the customer is interested in receiving and managing.

Customer confirms that the certified trading application is fully conformant to all aspects of the Technical Specifications.

Customer also confirms that its application has in place the following controls:

- limits on transaction per second sent by Trading sessions (Comp IDs)
- limits on order quantity and order countervalue
- order and trade price limits against static and dynamic controls prices

2.4. Certification Policy

Customers are required to certify or re-certify their applications under the following conditions:

- Prior to use the application in the live environment (for new applications);
- The customer modifies the software in any way that directly impacts Borsa Italiana SpA interfaces. This includes but is not limited to updates to Gateways, Order Management, Execution Management and Quote Management Software;
- The Exchange upgrades its production environment to a later version of software;
- The customer is requested to re-certify their application by the relevant venue
- If no certifications have been performed during a solar year (because any of the previous conditions occurred), the customer will be asked to self-certify (by sending an email to the relevant Trading Venue team that look after certifications) that no changes have been applied to the application since the last certification.

2.5. Test Scenario Exception Policy

Customers only need to complete the test cases relating to the functionality that they will use on the Live Services. If a customer's application does not support the functionality described in a particular test scenario and they do not intend to complete the scenario during the test, this must be agreed before the start of the certification test.

2.6. Non-Conformant Behavior on the Live Service

Any non-conformant behavior by a customer's software application on the Live Services may lead to the software application being disconnected and not re-connected until it has been re-certified and the non-conformant behavior corrected.

3. CERTIFICATION PROCESS

The Certification Process is an integral part of the Certification Programme

Mandatory testing will be required for all applications that wish to connect to the production environment and mandatory functions will need to be tested in order to confirm conformant behavior.

Customers should consider their software application's 'production ready' before attempting the test.

Customers should also read and familiarize themselves with this document and the Market and Product Specific Testing documents.

These documents contain important guidance that must be read before completing the certification process. When ready to take the test, customers should complete the following steps:

- Customers should contact **Market Access Italy** to provide the software name and version
- The Market Access team will then confirm whether a Full Certification Test or a Self-Certification email is required and forward the relevant Certification Test Report to the customer.

3.1. Full Certification Test

Before Taking the Test

The Market Access team for Milan markets will be available to assist participants in completing part of their certification test by performing both mandatory and optional functions.

Customers must identify the venue and the test scenarios supported by their application, by ticking the relevant boxes on the Certification Test Report

The report form must then be sent to:

- **market-access@borsaitaliana.it** for Milan markets.

This is a formal record of the software application that is being certified.

Customers should save a copy of the test report as they will be required to use it during the test to record their test results.

During the Test

Customers should complete the full set of uncoordinated test cycles described in Section 5 and inform the relevant venue of Borsa Italiana SpA when this has been completed. If required, limited support can be provided during this phase.

Customers should record the test results on MIT503 Certification Test Report using the test procedure shown at the start of section 5. Customers are required to complete all test scenarios previously marked on the Certification Test Report. If a customer does not complete a pre-agreed test scenario, the test will fail.

When all of the uncoordinated test scenarios have been completed, the customer must then complete a set of coordinated test scenarios, assisted by a tester.

The customer can repeat this part as many times as necessary, however additional test sessions may have to be booked if the testing exceeds two hours.

When all test scenarios have been completed, the customer should email the completed Certification Test Report to the tester. The email should be addressed

- **Market-access@borsaitaliana.it** for Milan markets.

After the Test

After the test the tester will check the details on the completed Certification Test Report and review the log files for the completed test scenarios. A report is generated detailing how the customer's application has performed during the test. If no re-testing is required, the report will be sent to the customer to sign off the application as fit for purpose and ready for access to the Live Services

The following items are checked:

- The functional behavior and message sequencing in each scenario
- If the session was maintained for the entire period or if it dropped
- If any errors were produced over the time period

If multiple interfaces were included in the test, the results are concatenated into a single report.

The report will be run specifying a time ranged limited to a single day.

If the customer is required to repeat any of the testing they should do so within 24 hours of the original test.

3.2. Self Certification Email

Customers who have not made any changes to their software may send an email confirming that their software has not changed since the last full certification. The software name and version must be the same as that listed on the last full certification test. Only one test in the year period may be a self certification email.

Email confirmation should be sent to **Market-access@borsaitaliana.it** for Milan markets.

By returning the signed copy of the Certification Test Report Certification Checklist, the customer is confirming that their application is fully conformant to all aspects of the Millennium Technical Specifications and technically behaves as described in the guidance given in both this document and the guide to testing.

4. ADDITIONAL MANDATORY TEST GUIDANCE

4.1. Mandatory Replay and Recovery for All Market Data Interfaces

The use of both the Replay and Recovery channels is mandatory for all customers on all Market Data Gateways. Customers are required to confirm that their software applications can use both of these services. A Market Data Failover and Recovery Service is available on the Customer Development Service.

The level of the request (segment, channel or instrument) or the type of request (snapshot for order books, statistics or other) is not mandated but should mirror how the application will work in the production environment.

Note: Request limits are applied to both the Replay and Recovery services, limiting the number of recovery actions a customer can perform in a day.

5. CERTIFICATION TEST SCENARIOS

5.1. Test Procedure

Before proceeding with the certification test, customers must identify which scenarios are applicable and mark these on the Test Report.

Customers must perform all of the steps in each of the test scenarios and record the results in the relevant sections of the Test Report.

When documenting the test results, customers should include all information as requested in each of the steps, such as Order IDs, QuoteMsg IDs and Security IDs.

If the result does not match the expected result, the customer should still record it in the relevant section of the certification test report and in the comments section including the following:

- Order IDs/ QuoteMsg IDs (if any)
- Security ID
- Time of the order/quote/operation submission/execution

Any information which may be helpful in troubleshooting the error.

Unless a log off or disconnect request is specified in the test case the customer should complete all test cases without logging off or disconnecting. If there are any unexpected log offs or disconnects, these should be documented in the comments section of the certification test report.

Note: All test scenarios marked as mandatory must be completed unless an exception has been granted by the Technical Account Manager.

Gateway connections and User IDs should be checked at least 2 working days before planned execution date.

5.2. Group Ticker Plant

5.2.1 GTP – Replay Request

Type: GTP Recovery	ID #: MIT-004	Market: BIT/ETLX	Assisted: N
Description: Logon and send a <u>Replay Request</u>			
Comments:			
Prerequisites None.			
#	Test Steps	Expected Results	
1	Establish a connection and Logon to the Replay Service <i>(please choose any one channel to connect to and provide details in the comments section of the Certification report.)</i>	Successful Logon.	
2	Send an <u>Replay request</u> <i>Provide First Message, Count & Request ID in the Certification report.</i>	Receive a successful <u>Replay Response</u> . Receive requested messages. Receive <u>Replay & Recovery complete</u> message to indicate completion of retransmission. User will be disconnected after 5 seconds of inactivity	

5.2.2 GTP – Recovery Request

Type: GTP Recovery	ID #: MIT-005	Market: BIT/ETLX	Assisted: N
Description: Logon and send a Recovery Request			
Comments:			
Prerequisites None.			
#	Test Steps	Expected Results	
1	Establish a connection and Logon to the Recovery Service <i>(please choose any one channel to connect to and provide details in the comments section of the Certification report.)</i>	Successful Logon.	
2	Send an <u>Recovery request</u> <i>Provide Request level,instrument group/Segment(Group ID)/Multicast Channel,Recovery Type & request ID in the Certification report.</i>	Receive a successful <u>Recovery Response</u> . Receive requested messages. Receive <u>Replay & Recovery complete</u> message to indicate completion of request. User will be disconnected after 5 seconds of inactivity	

5.2.3 GTP Lite

In addition to the above test cycles, those customers wishing to access the GTP Lite services are required to:

- Successfully login to a GTP Lite service;
- Receive and acknowledge GTP Lite data.

Type: GTP Recovery		ID #: MIT-005b	Market: BIT/ETLX	Assisted: Y
Description: Login to GTP Lite service, process and acknowledge data				
Comments: This test is only applicable to those customers connecting to the GTP Lite service lines.				
Prerequisites:None.				
#	Test Steps	Expected Results		
1	Establish a connection and send a non-compressed Login Request to the GTP Lite service	Successful Logon.		
2	Receive, acknowledge and process data disseminated by the GTP Lite service	Receive at least 15 Add Order or Add Order Incremental messages and one Trade message in real-time		
3	Provide and confirm messages are received.	User should remain connected for the duration of the test		
4	Customer is force disconnected by the Group	User should confirm disconnection from the service and attempt a single reconnection.		

5.3. Order Management

5.3.1 Establish Logon for Test Cycle

Type: FIX/Native Gateways		ID #: MIT-006	Market: BIT/ETLX	Assisted: N
Description: Establish a connection and Logon.				
Comments:				
Prerequisites None.				
#	Test Steps	Expected Results		
1	Establish a connection and Logon.	Successful Logon. This session must remain logged on for the duration of the certification test unless Borsa Italiana has instructed the customer to logout.		

5.3.2 Password Change

Type: FIX/Native Gateways		ID #: MIT-007	Market: BIT/ETLX	Assisted: N
Description: Log on to the FIX / Native gateway(s) and change the logon password from the system default.				
Comments: This test must be performed using each of the protocols intended to be used by the customer (Native and/or FIX).				
Prerequisites: None.				
#	Test Steps	Expected Results		
1	Establish a connection and Logon to the relevant gateway(s). In your logon message, specify a new password of at least eight characters in length including one integer.	Successful Logon, with current default password and a valid new password specified.		

	<i>(please provide details of CompID(s) and gateway(s) tested in the comments section of the Certification report.)</i>	
2	Logout and Disconnect.	Logout message sent by client and connection terminated.
3	Logon using the new password.	Successful Logon, using the new password specified in step 1.

5.3.3 Auction – Limit Orders

Type: FIX/Native Gateways	ID #: MIT-008	Market: BIT	Assisted: N
Description: Validate Limit orders during Opening/Closing Auction.			
Comments:			
Prerequisites: This test needs to be executed during <u>Opening or Closing Auction session</u> . Already logged on from previous Test Case Alternatively, contact Borsa Italiana and request a stock to be manually moved into an Opening or Closing Auction session.			
#	Test Steps	Expected Results	
1	Enter a Day Limit order. <i>(Assuming there is a match for this order in the order book. If there is no match for the order in the order book, please create a matching order.)</i> <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order goes on to the order book and is executed at uncrossing. Receive Execution Report for a fill or partial fill	

5.3.4 Auction – Market Orders

Type: FIX/Native Gateways		ID #: MIT-009	Market: BIT	Assisted: N
Description: Validate Market (un-priced) orders during Opening/Closing Auction.				
Comments:				
Prerequisites: This test needs to be executed during <u>Opening or Closing Auction session</u> . Already logged on from previous Test Case Alternatively, contact Borsa Italiana and request a stock to be manually moved into an Opening or Closing Auction session.				
#	Test Steps	Expected Results		
1	Enter a Market Order. <i>(Assuming there is a match for this order in the order book. If there is no match for the order in the order book, please create a matching order.)</i> <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order goes on to the order book and is executed at uncrossing. Receive Execution Report for a fill or partial fill		

5.3.5 Auction – Market to Limit Order

Type: FIX/Native Gateways		ID #: MIT-010	Market: BIT	Assisted: N
Description: Validate Market to Limit Orders.				
Comments:				
Prerequisites: This test needs to be executed during <u>Opening Auction</u> . (Only in case of problem it could be executed in Closing or Volatility Auction session). Already logged on from previous Test Case.				
#	Test Steps	Expected Results		
1	Enter a Market to Limit order. <i>(Assuming there are matching orders for this order on the order book. If there are no matching orders on the order book, please create these.)</i>	The order goes on to the order book and is executed at the best price at uncrossing. Any remainder will be converted to a limit order at the last traded price.		

	<i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	Receive Execution Report
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5.3.6 Incoming Order Source

Type: FIX/Native Gateways	ID #: MIT-11	Market: BIT/ETLX	Assisted: N
Description: Validate Order during Continuous Trading.			
Comments: Order source field has to be filled.			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.			
#	Test Steps	Expected Results	
1	Enter order and force the Incoming Order Source. <i>Please provide Order ID(s) and Client Order ID.</i>	The order is accepted/executed Receive Execution Report	

5.3.7 Market Order

Type: FIX/Native Gateways	ID #: MIT-012	Market: BIT/ETLX	Assisted: N
Description: Validate Market orders during Continuous Trading.			
Comments:			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Enter a Market order (OrderType=1). <i>(Assuming there are matching orders for this order on the order book. If there are no matching orders on the order book, please create these.)</i> <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is executed. Receive Execution Report	

5.3.8 IOC or FOK

Type: FIX/Native Gateways	ID #: MIT-013	Market: BIT/ETLX	Assisted: N
Description: Validate Aggressive orders (IOC and/or FOK) during Continuous Trading.			
Comments:			
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Enter an Aggressive order FOK or/and IOC <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is immediately processed according to the scenario. Receive Execution Report	

5.3.9 Limit Order

Type: FIX/Native Gateways	ID #: MIT-014	Market: BIT/ETLX	Assisted: N
Description: Validate Limit orders during Continuous Trading.			
Comments:			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Enter a day Limit order . <i>(Assuming there are matching orders for this order in the order book. If there are no matching orders in the order book, please create them.)</i> <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order goes on to the order book and rests Receive Execution Report	

5.3.10 Stop Orders

Type: FIX/Native Gateways		ID #: MIT-015	Market: BIT	Assisted: N
Description: Validate Stop Orders.				
Comments:				
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.				
#	Test Steps	Expected Results		
1	Enter a Stop Order. <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i> <i>(Assuming there are matching orders for this order in the order book. If there are no matching orders in the order book, please create them.)</i>	The order is executed. Receive Execution Report		

5.3.11 Stop Limit Order

Type: FIX/Native Gateways		ID #: MIT-016	Market: BIT	Assisted: N
Description: Validate Stop Limit orders during Continuous Trading.				
Comments:				
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case				
#	Test Steps	Expected Results		
1	Enter a Stop Limit order. <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully submitted and gets a valid order status. Order resides on the order book or is executed. Receive Execution Report		

5.3.12 Iceberg Orders

Type: FIX/Native Gateways		ID #: MIT-017	Market: BIT	Assisted: N
Description: Validate Iceberg Orders.				
Comments				
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.				
#	Test Steps	Expected Results		
1	Enter an Iceberg order. <i>Please provide Order ID(s), Public OrderId and Client Order ID in the Certification report.</i>	The order is successfully submitted and gets a valid order status. The order reside on the book (only for peak size) Receive Execution Report.		
2	Enter an order to trade the peak size (visible quantity). Please provide the <i>new</i> Public OrderID received in the Execution Report	The peak size are traded and refreshed in size back to the display quantity. Receive Execution Reports.		
3	Enter an order to trade the Visible and Hidden size Please provide the <i>new</i> Public OrderID received in the Execution Reports	Receive two Execution Reports.		

5.3.12a Randomize Iceberg Orders

Type: FIX/Native Gateways		ID #: MIT-017a	Market: BIT	Assisted: N
Description: Validate Randomize Iceberg Orders				
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.				
#	Test Steps	Expected Results		

1	<p>Enter an Randomize Iceberg order. FIX: DisplayMethod 1084=3</p> <p>Native:Order Sub Type = 51</p> <p><i>Please provide Order ID(s), Public OrderID and Client Order ID in the Certification report.</i></p>	<p>The order is successfully submitted and gets a valid order status. The order reside on the book (only for peak size)</p> <p>Receive Execution Report.</p>
2	<p>Enter an order to trade the peak size (visible quantity).</p> <p><i>Please provide the new Public OrderID received in the Execution Report</i></p>	<p>The peak size are traded. Once the displayed quantity is reduced to zero, the replenishment quantity will be randomly determined within a pre-defined percentage.</p> <p>Receive Execution Reports.</p>

5.3.13 Market order with Time in Force CPX

Type: FIX/Native Gateways	ID #: MIT-018	Market: BIT	Assisted: N
Description: Validate Market order with Time in Force CPX sent during Continuous Trading session			
Comments:			
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.			
#	Test Steps	Expected Results	
1	Enter an Market order with TIF CPX <i>Please provide Order ID(s) and Client Order ID in the Certification report.</i>	Receive Acknowledge in the Execution Report	
2	CPX session starts and CPX order are triggered without execution.	Execution Report with ExecType=Triggered(L)	

	If the order will be executed, will receive Execution Report with properly order status
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5.3.14 Limit order with Time in Force CPX

Type:	ID #:	Market:	Assisted:
FIX/Native Gateways	MIT-019	BIT	N
Description: Validate Limit order with Time in Force CPX, sent during Continuous Trading Session			
Comments:			
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.			
#	Test Steps	Expected Results	
1	Enter 3 limit orders with TIF CPX <i>Please provide Order ID(s) and Client Order ID in the Certification report.</i>	Receive Acknowledge in the Execution Report	
2	CPX session starts and CPX order are triggered without execution.	<p>Orders with prices worse than the Closing Auction Price should be Expired and receive the Execution Report with the reason 'Invalid limit price (not equal to the closing price)'.</p> <p>Orders better than the Closing Auction Price should be re-priced to the Closing Auction Price and should be injected. Receive the Execution Report with 'Repriced (better priced order at start of CPX session)'</p> <p>Also, If the order will be executed, will receive Execution Report with properly order status.</p>	

5.3.15 Order Modification

Type: FIX/Native Gateways		ID #: MIT-020	Market: BIT/ETLX	Assisted: N
Description: Validate order Modification during Continuous Trading.				
Comments:				
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case				
#	Test Steps	Expected Results		
1	Enter a passive order that rests on the order book. <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully submitted and resides on the order book. Receive Execution Report with ExecType = 0 (New)		
2	Amend order. <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully modified. Receive Execution Report with ExecType = 5 (Replaced)		

5.3.16 Order Cancel

Type: FIX/Native Gateways		ID #: MIT-021	Market: BIT/ETLX	Assisted: N
Description: Validate order deletion during Continuous Trading				
Comments:				
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case				
#	Test Steps	Expected Results		
1	Enter a passive order that rests on the order book. <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully submitted and resides on the order book. Receive Execution Report with ExecType = 0 (New)		
2	Cancel the order. <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully cancelled. Receive Execution Report with ExecType = 4 (Cancelled)		

5.3.17 Internal Cross Orders

Type: FIX/Native Gateways	ID #: MIT-022	Market: BIT	Assisted: N
Description: Validate Internal Cross Orders.			
Comments:			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.			
#	Test Steps	Expected Results	
1	Enter an Internal Cross order. <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully submitted and executed.	

5.3.18 Internal BTF Orders

Type: FIX/Native Gateways	ID #: MIT-023	Market: BIT	Assisted: N
Description: Validate Internal BTF Orders.			
Comments:			
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.			
#	Test Steps	Expected Results	
1	Enter an Internal BTF Cross order. <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully submitted and executed.	

5.3.19 Committed Cross Orders Deletion

Type: FIX/Native Gateways	ID #: MIT-024	Market: BIT	Assisted: N
Description: Validate Committed Cross Orders Deletion during Continuous Trading.			
Comments:			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.			
#	Test Steps	Expected Results	
1	Enter a Committed Cross order. <i>(Assuming that there is no match for the order in the order book.)</i> <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully submitted and resides on the order book. Receive Execution Report	
2	Cancel the cross order. <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully cancelled. Receive Execution Report	

5.3.20 Committed BTF Orders Deletion

Type: FIX/Native Gateways		ID #: MIT-025	Market: BIT	Assisted: N
Description: Validate Committed BTF Orders Deletion during Continuous Trading.				
Comments:				
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.				
#	Test Steps	Expected Results		
1	Enter a Committed BTF order. <i>(Assuming that there is no match for the order in the order book.)</i> <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully submitted and resides on the order book. Receive Execution Report		
2	Cancel the BTF order. <i>Please provide Order ID(s) and Client Order ID</i>	The order is successfully cancelled. Receive Execution Report		

5.3.21 Order Matched Principal (MTCH)

Type: FIX/Native Gateways		ID #: MIT-029	Market: BIT/ETLX	Assisted: N
Description: Validate Market order or Limit sent during <i>Continuous Trading session</i> with order Capacity <i>Matched Principal (MTCH)</i>				
Comments:				
Prerequisites This test needs to be executed during Closing Price Cross session. Already logged on from previous Test Case				
#	Test Steps	Expected Results		
1	Enter an order with order Capacity <u><i>Matched Principal</i></u> <i>Please provide Order ID(s) and Client Order ID in the Certification report.</i>	Receive Acknowledge in the Execution Report		

5.3.22 Cancel on Disconnect

Type:	ID #:	Market:	Assisted:
FIX/Native Gateways	MIT-030	BIT/ETLX	N
Description: Validate Cancel-on-Disconnect and Logout			
Comments: If a different User ID/Comp ID has been specifically enabled for "Cancel on disconnect/Logout" for this test case please repeat test case MIT-007 first to Logon. Customers are highly encouraged to utilise the Cancel on Disconnect functionality			
Prerequisites: Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Enter 3 passive regular orders that rest on the orderbook. <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The orders are successfully submitted and have a Live order status.	
2	Terminate the client-server session by either TCP disconnect for Cancel on disconnect or Logout for cancel on logout.	Client-server session is terminated. (TCP connection dropped or Logout.)	
3	Establish a connection and Logon.	Successful Logon.	
4	Verify the status of orders submitted in step 1 above.	FIX: Execution reports received for all cancelled orders automatically. Native: Session active with heartbeating	
5	For native trading, the customer must recover the missed messages via the recovery channel manually.	Execution reports received for all cancelled orders from the recovery channel.	

5.4 Quote Management (Specialist and Market Making Scheme)

5.4.1 Establish a connection and Logon

Type: FIX/Native Gateways	ID #: MIT-031	Market: BIT/ETLX	Assisted: N
Description: Establish a connection and Logon.			
Comments:			
Prerequisites: Specialist compID with naming convention with "S" i.e MA1234NTS00 or SD1234FTS01			
#	Test Steps	Expected Results	
1	Establish a connection and Logon. <i>Please provide CompID/Target User.</i>	Successful Logon.	

5.4.2 Named Orders

Type: FIX/Native Gateways	ID #: MIT-032	Market: BIT	Assisted: N
Description: Validate Named Orders during Continuous Trading.			
Comments: Specialist compID with naming convention with "S" i.e MA1234NTS00 or SD1234FTS01 has to be enabled to send NAMED orders			
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Enter a Named order. <i>(Assuming there are matching orders for this order in the order book. If there are no matching orders in the order book, please create them.)</i>	The order is successfully submitted and executed. Receive Execution Report	

	<i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	
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5.4.3a Quote during quoting period

Type: FIX/Native Gateways	ID #: MIT-033a	Market: BIT/ETLX	Assisted: N
Description: Validate Dual side quote submission during quoting period.			
Comments: Dual side Quote has to be named			
Prerequisites: Specialist compID with naming convention with "S" i.e MA1234NTS00 or SD1234FTS01 This test needs to be executed during Quoting Period session. Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Enter Dual Side Named quote <i>Please provide QuoteMsgID/ Client Order ID in the Certification Report.</i>	The quote is successfully submitted. FIX: Receive Quote Status Report Native: Receive Execution report for each side of quote.	

5.4.3b Quote during continuous trading

Type: FIX/Native Gateways		ID #: MIT-033b	Market: BIT/ETLX	Assisted: N
Description: Validate Dual side quote submission during continuous trading.				
Comments: Dual side Quote has to be named				
Prerequisites: Specialist compID with naming convention with "S" i.e MA1234NTS00 or SD1234FTS01 This test needs to be executed during continuous trading. Already logged on from previous Test Case				
#	Test Steps	Expected Results		
1	Enter Dual Side Named quote <i>Please provide QuoteMsgID/ Client Order ID in the Certification Report.</i>	The quote is successfully submitted. FIX: Receive Quote Status Report Native: Receive Execution report for each side of quote.		

5.4.3c Anonymous Quote

Type: FIX/Native Gateways		ID #: MIT-033c	Market: BIT/ETLX	Assisted: N
Description: Validate Anonymous quote submission.				
Comments: Quote has to be Anonymous – CompID has to be enabled to send Anonymous quote				
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case				
#	Test Steps	Expected Results		
1	Enter the Anonymous quote that rests on the order book <i>Please provide QuoteMsgID/ Client Order ID in the Certification Report.</i>	The quote is successfully submitted. FIX: Receive Quote Status Report		

	Native: Receive Execution report for each side of quote.
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5.4.3d New Executable Quote Matched Principal (MTCH)

Type: FIX/Native Gateways	ID #: MIT-033d	Market: BIT	Assisted: N
Description: Validate Executable Quote Matched Principal			
Comments: CompID has to be enabled to send quote			
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Enter the quote with capacity Matched Principal <i>Please provide QuoteMsgID/ Client Order ID in the Certification Report.</i>	The quote is successfully submitted. FIX: Receive Quote Status Report Native: Receive Execution report for each side of quote.	

5.4.4 Modify Executable Quote

Type: FIX/Native Gateways	ID #: MIT-034	Market: BIT/ETLX	Assisted: N
Description: Modify Executable quote.			
Comments:			
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.			
#	Test Steps	Expected Results	
1	Enter an Executable quote that rests on the order book	The quote is successfully submitted. FIX: Receive Quote Status Report	

	<i>Please provide QuoteMsgID/Client Order ID in the Certification Report.</i>	Native: Receive Execution report for each side of quote.
2	<p>Modify the quote.</p> <p>(Please note for both FIX and Native a quote is amended by entering another quote. This replaces the existing quote on the quote book as you can only have one quote on the book for any given instrument.)</p> <p><i>Please provide new QuoteMsgID/Client Order ID in the certification report.</i></p>	<p>The quote is successfully amended. (Replaced with new quote)</p> <p>FIX: If the quote rests on the order book, a Quote Status Report is received If the quote is fully or partially filled, Execution Report(s) are received (please provide CIOrdIDs)</p> <p>Native: Receive Execution report for each side of quote.</p>

5.4.5 Cancel Executable Quote

Type: FIX/Native Gateways	ID #: MIT-035	Market: BIT/ETLX	Assisted: N
Description: Cancel Executable quote.			
Comments:			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.			
#	Test Steps	Expected Results	
1	<p>Enter an Executable quote that rests on the order book</p> <p><i>Please provide QuoteMsgID/Client Order ID in the Certification Report.</i></p>	<p>The quote is successfully submitted.</p> <p>FIX: Receive Quote Status Report</p> <p>Native: Receive Execution report for each side of quote.</p>	
2	<p>Cancel the quote just entered.</p> <p>FIX: Send Quote Cancel message</p>	<p>The quote is successfully cancelled.</p> <p>FIX: Receive Quote Status Report</p>	

	Native: Send Order Cancel Request messages	Native: Receive Execution Report for each quote side cancelled.
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5.4.6 Quote with Time in Force GFA and OPG

Type: FIX/Native Gateways	ID #: MIT-036	Market: BIT	Assisted: N
Description: Validate Quote with time in force GFA and/or OPG.			
Comments:			
Prerequisites: OPG allowed only during Opening Auction (not in re-opening); GFA allowed during Continuous trading and Opening Auction			
#	Test Steps	Expected Results	
1	Enter an quote width Time in Force set to GFA or OPG <i>Please provide QuoteMsgID/ Client Order ID in the Certification Report.</i>	GFA: quote is parked until the next auction call period starts at which point it is injected into the order book. FIX:Receive Quote Status Report If the quote is partially filled: Receive Execution Report (please provide ClOrdID) for the quantity traded . The remaining quantity is deleted. Native: Receive Execution report for each side. The remaining quantity is deleted.	

5.4.7a Single Side Quote during quoting period

Type: FIX/Native Gateways		ID #: MIT-037°	Market: BIT/ETLX	Assisted: N
Description: Validate New Single Side Quote during quoting period				
Comments:				
Prerequisites This test needs to be executed during quoting period. Already logged on from previous Test Case.				
#	Test Steps	Expected Results		
1	Enter Single Side Quote NAMED during quoting period. <i>Please provide QuoteMsgID/ Client Order ID in the Certification Report.</i>	The quote is successfully submitted. Receive Quote Status Report Receive Execution Report		

5.4.7b Single Side Quote during continuous trading

Type: FIX/Native Gateways		ID #: MIT-037b	Market: BIT/ETLX	Assisted: N
Description: Validate New Single Side Quote during Continuous Trading session				
Comments:				
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case				
#	Test Steps	Expected Results		
1	Enter an Executable Single Side Quote NAMED. <i>Please provide QuoteMsgID/ Client Order ID in the Certification Report.</i>	The quote is successfully submitted. Receive Quote Status Report Receive Execution Report		

5.4.8 Modify Single Side Quotes

Type: FIX/Native Gateways	ID #: MIT-038	Market: BIT/ETLX	Assisted: N
Description: Validate Modify Single Side Quotes.			
Comments:			
Prerequisites :This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.			
#	Test Steps	Expected Results	
1	Enter an Executable single side quote. (Assuming this quote is not fully or partially filled) <i>Please provide QuoteMsgID/Client Order ID in the Certification Report.</i>	The single side quote is successfully submitted. FIX: Receive Quote Status Report Native: Receive Execution report	
2	Modify the single side quote price or quantity <i>(Please note for both FIX and Native a SS quote is amended by entering another SSquote. This replaces the existing SS quote on the quote book as you can only have one SS quote on the book for any given instrument.)</i> <i>Please provide new SS QuoteMsgID/Client Order ID in the certification report.</i>	The SS quote is successfully amended. (Replaced with new single side quote) FIX: Receive Quote Status Report If the SS quote is fully or partially filled: Receive Execution Report (please provide ClOrdID) Native: Receive Execution report	

5.4.9 Cancel Single Side Quotes

Type: FIX/Native Gateways		ID #: MIT-039	Market: BIT/ETLX	Assisted: N
Description: Validate Cancel Single Side Quotes.				
Comments:				
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.				
#	Test Steps	Expected Results		
1	Cancel the Single Side quote entered in the previous test case. FIX: Send Quote Cancel message Native: Send Order Cancel Request message	The SS quote is successfully cancelled. FIX: Receive Quote Status Report Native: Receive Execution Report.		

5.4.10 Single Side Quote with Time in Force GFA and OPG

Type: FIX/Native Gateways		ID #: MIT-040	Market: BIT	Assisted: N
Description: Validate Single Side Quotes with Time in Force GFA and OPG				
Comments:				
Prerequisites				
#	Test Steps	Expected Results		
1	Enter Single Side quote width Time in Force set to <i>GFA</i> or <i>OPG</i> <i>Please provide QuoteMsgID/ Client Order ID in the Certification Report</i>	.		

5.5 Request for Quote (RFQ)

5.5.1 Establish a connection and Logon

Type: FIX/Native Gateways		ID #: MIT-042	Market: BIT/ETLX	Assisted: N
Description Establish a connection and Logon.				
Comments:				
Prerequisites: compID has to be enabled to the RFQ request				
#	Test Steps	Expected Results		
1	Establish a connection and Logon. <i>Please provide CompID.</i>	Successful Logon.		

5.5.2 Submit Manual RFQ Request

Type: FIX/Native Gateways		ID #: MIT-043	Market: BIT/ETLX	Assisted: N
Description: Validation of Quote request message sent by Customer				
Comments: Private quote request message				
Prerequisites: CompID has to be enabled to the RFQ request This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.				
#	Test Steps	Expected Results		
1	Enter a Request for Quote message FIX: Quote request(R) tag 303=1 (QuoteRequestType) Absence of this field is considered as Manual Native: Quote request (a) QuoteRequestType=0 (Manual) <i>Please provide RFQID in the Certification report.</i>	The RFQ request is successfully submitted. FIX: Quote status report (AI) Native: Quote status report (c)		

5.5.3 Submit AUTO RFQ Request

Type:	ID #:	Market:	Assisted:
FIX/Native Gateways	MIT-043b	BIT/ETLX	N
Description: Validation of Quote request AUTO message sent by Customer			
Comments: Private quote request message			
<p>Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.</p> <p>The requester will be able to send the following execution instructions when submitting the Auto RFQ:</p> <ul style="list-style-type: none"> • Disclose Side: whether to pass through the side to market makers or not. • Limit Price: RFQ will only be executed with the best contra quote if the quote's price is better than or equal to the RFQ's limit price. • Execution Delay: defines the duration in seconds beyond which the RFQ will be executable from the time the RFQ was submitted. • Min Number of quotes: defines the minimum number of live contra quotes to be considered to trigger the execution. <p>However if the requester does not specify a value for Execution Delay and Min Number of quotes then the values defined by the Exchange will be applied as defined below: Min Number of quotes= 2; Execution Delay= 20 seconds,</p> <p>The system will automatically match an Auto RFQ when all the following criteria are met:</p> <ul style="list-style-type: none"> • Duration specified under the Execution Delay is reached. • Number of contra quotes are greater than or equal to the Min Number of Quotes. • The best contra quote's price is better than or equal to the Limit Price <p>When at least one condition is not met the RFQ will not be executed and all the quotes submitted in response to the RFQ will remain open unless cancelled by the market makers.</p>			
#	Test Steps	Expected Results	
1	<p>Enter a Request for Quote message AUTO</p> <p>FIX: Quote request(R) tag 303=2 (QuoteRequestType) Absence of this field is considered as Manual Native: Quote request (a) QuoteRequestType = 1 (Auto)</p> <p><i>Please provide RFQID in the Certification report.</i></p>	<p>The RFQ AUTO request is successfully submitted.</p> <p>FIX: Quote status report (AI) Native: Quote status report (c)</p>	

5.5.4 Auto Anonymous to All with Order Book Sweep

Type: FIX/Native Gateways	ID #: MIT-043c	Market: BIT (only ETFPlus)	Assisted: Y
Description: Validation of Quote request AUTO message sent by Customer			
Comments: Private quote request message			
<p>Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.</p> <p>Auto-Complete "Anonymous to All" Auction RFQ Model with Order Book Sweep is available only for ETFplus in sizes below ESMA Large In Scale (LIS) thresholds</p> <p>For Auto-Complete "Anonymous to All" Auction RFQ Model with Order Book Sweep:</p> <ul style="list-style-type: none"> The prices of the best prioritised contra quotes/ orders in the consolidated order book (created using the RFQ quotes and the orders/ quotes equal to or better than the BBO in the normal book (including iceberg/ reserve orders) and prioritised based on price-time priority) should be better than or equal to the limit price of the RFQ if a limit price is specified. Only these quotes/ orders are eligible for the execution. The price of each execution against the normal book will be validated against the circuit breaker limits. Orders breaching these validations and orders with lower priority than those breaching the CB limit will be disregarded from the RFQ execution. The cumulative quantity of the eligible contra quotes/ orders should be greater than or equal to the quantity of the RFQ <p>If all the conditions are satisfied for an Auto-Complete "Anonymous to All" Auction RFQ Model with Order Book Sweep, a random duration will be triggered at the end of which the RFQ is executed with the highest prioritised quote(s)/ orders (based on price-time priority) provided that all the execution criteria are still satisfied..</p>			
#	Test Steps	Expected Results	
1	Market Access Analyst fills the book of a selected instrument of ETFPlus Market.		
2	<p>Customer enters a Request for Quote message AUTO on the same ETFPlus instrument with size below ESMA Large In Scale (LIS) thresholds FIX: Quote request(R) tag 303=2 (QuoteRequestType) Absence of this field is considered as Manual Native: Quote request (a) QuoteRequestType = 1 (Auto)</p> <p><i>Please provide RFQID in the Certification report.</i></p>	<p>The RFQ AUTO request is successfully submitted.</p> <p>FIX: Quote status report (AI) Native: Quote status report (c)</p> <p>The RFQ is executed against an order/ quote in the normal order book (execution report sent to the requestor has an indication via the '<u>Contra Order Book</u>' field that the execution is against the normal order book) and a MM RFQ Quote on the RFQ book,</p>	

Commentato [GA1]: Vale solo per ETPF

5.5.5 RFQ Market Maker Ranking for Auto RFQ Winner Takes All

Type:	ID #:	Market:	Assisted:
FIX/Native Gateways	MIT-043d	BIT	N
Description: Validation of RFQ Market Maker Ranking for Auto RFQ Winner Takes All			
Comments: Private quote request message			
<p>Prerequisites:</p> <p>This test needs to be executed during Continuous Trading session. RFQ Market Maker Ranking functionality is available only for ETFplus in sizes above ESMA Large In Scale (LIS) thresholds.</p> <p>Already logged on from previous Test Case.</p> <p>The requester will be able to send the following execution instructions when submitting the Auto RFQ Winner Takes All:</p> <ul style="list-style-type: none"> • Disclose Side: whether to pass through the side to market makers or not. • Limit Price: RFQ will only be executed with the best contra quote if the quote's price is better than or equal to the RFQ's limit price. • Size: Market Maker Rank can be used in an automatic RFQ with a size above Large in Scale (LIS). • Execution Delay: defines the duration in seconds beyond which the RFQ will be executable from the time the RFQ was submitted. • Min Number of quotes: defines the minimum number of live contra quotes to be considered to trigger the execution • Market Maker Rank: The rank of the market makers the request should be routed to. If specified, the request will be routed to the market makers with a rank equal to or better than the specified rank for the instrument, provided rank based routing is valid for the RFQ. <p>However if the requester does not specify a value for Execution Delay, Min Number of quotes and Market Maker Rank then the values defined by the Exchange will be applied as defined below: Min Number of quotes= 2; Execution Delay= 20 seconds, Market Maker Rank=0 as rank unspecified</p>			
#	Test Steps	Expected Results	
1	<p>Enter a Request for Quote message AUTO with Market Maker Rank on one of the following symbols: CLEU, CLWD, CLMD, JPCT, XSLE, XPPE, RMAU, 3UBS, UL3S, BUND5S, AOTP, 600X and sizes above ESMA Large In Scale (LIS) thresholds</p> <p>FIX: Quote request(R) tag 303=2</p>	<p>The RFQ AUTO request is successfully submitted.</p> <p>FIX: Quote status report (AI) Native: Quote status report (c)</p>	

<p>(QuoteRequestType) and tag 27019 (MarketMakerRank) has a value between 1 and 255 Native: Quote request (a) QuoteRequestType = 1 (Auto) and MarketMakerRank has a value between 1 and 255</p> <p><i>Please provide RFQID in the Certification report.</i></p>	
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5.5.6 Accepting a Quote submitted by Market Maker - Manual RFQ

Type: FIX/Native Gateways	ID #: MIT-044	Market: BIT/ETLX	Assisted: Y
Description: Validation of Quote request message sent to the Customer. Market Maker wish to response to the submitted RFQ			
Comments: Market Access Analyst sent a Private RFQ to the Customer			
Prerequisites: Contact Market Access Italy, for executing this test in co-ordination with customer This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.			
#	Test Steps	Expected Results	
1	Market Access Analyst sent two Private RFQ to the customer with a RFQID	Customer receive the Quote request messages	
2	Customer (as Market Maker) have to accept one RFQ request and refuse the other one (Quote request reject message). FIX: Quote(S) to accept the RFQ Quote Request reject (AG) Native: RFQ Quote (d) to accept the RFQ Quote Request reject (b). <i>Please provide RFQID in the Certification report</i>	Market maker received: FIX: Quote Ack(CW) when it is accepted Quote Response (AJ) when it is rejected Native: Quote Ack(e) when it is accepted Quote Response (f) when it is rejected Market Access Analyst accept the Quote. Execution Report (8) or RFQ Execution Report (g) have been sent to Market Maker.	

5.5.7 Automatic Execution – Auto RFQ

Type:	ID #:	Market:	Assisted:
FIX/Native Gateways	MIT-044b	BIT/ETLX	Y
Description: Validation of Quote request Auto. The system will automatically match an Auto RFQ			
Comments: Market Access Analyst sent a Private RFQ AUTO to the Customer			
<p>Prerequisites:</p> <p>Contact Market Access Italy, for executing this test in co-ordination with customer This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case. The system will automatically match an Auto RFQ when all the following criteria are met:</p> <ul style="list-style-type: none"> • Duration specified under the Execution Delay is reached. • Number of contra quotes are greater than or equal to the Min Number of Quotes. • The best contra quote's price is better than or equal to the Limit Price When the above three conditions are met, the RFQ is executed with the best quote prioritized using price/ time priority. <p>To avoid market makers knowing the exact time of matching a configured random period precedes the final match. When at least one condition is not met the RFQ will not be executed and all the quotes submitted in response to the RFQ will remain open unless cancelled by the market makers.</p> <p>Even if the RFQ is not executable at the initial trigger time, the RFQ could be executable after a Limit price amendment or after new quotes are submitted or the existing quotes are amended. When the RFQ expiration time is reached, the RFQ and all the open quotes of the RFQ will be expired</p>			
#	Test Steps	Expected Results	
1	Market Access Analyst sent Private RFQ AUTO to the customer with a RFQID as a REQUESTOR	Customer receive the Quote request messages	
2	<p>Customer (as Market Maker) have to accept the RFQ request</p> <p>FIX: Quote(S) to response to the RFQ request Native: RFQ Quote (d) to response to the RFQ request</p> <p><i>Please provide RFQID in the Certification report</i></p>	<p>Market maker received:</p> <p>FIX: Quote Ack(CW) when it is accepted Execution Report (8) filled</p> <p>Native: Quote Ack(e) when it is accepted RFQ Execution Report (g) filled</p>	

5.6 Supervisor User

5.6.1 Establish a connection and Logon

Type: FIX	ID #: MIT-045	Market: BIT/ETLX	Assisted: N
Description Establish a connection and Logon.			
Comments:			
Prerequisites Supervisor profile			
#	Test Steps	Expected Results	
1	Establish a connection and Logon. <i>Please provide CompID.</i>	Successful Logon.	

5.6.2 Mass Cancellation

Type: FIX	ID #: MIT-046	Market: BIT/ETLX	Assisted: N
Description Validate Mass Cancellation orders for member firm			
Comments: Mass Cancellation does not cancel orders in Trading Stop Session status.			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.			
#	Test Steps	Expected Results	
1	Enter Mass Cancel request for member firm. <i>Orders in Trading Stop Session are not cancelled. (Assuming there is at least one order in the order book. If there are no orders in the order book, please request to another user to create it.)</i>	The Mass Cancel is successfully executed. Receive Order Mass Cancel Report <i>Orders in Trading Stop Session are not cancelled.</i>	

5.6.3 Orders Modification

Type: FIX	ID #: MIT-047	Market: BIT/ETLX	Assisted: N
Description: Validate Orders Modification of an order entered by another user.			
Comments:			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Amend an order entered another user. <i>(Assuming there is at least one order in the order book. If there are no orders in the order book, please request to another user to create it.)</i> <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully modified. Receive Execution Report No Execution Report are sent to user that are entered the order.	

5.6.4 Orders Deletion

Type: FIX	ID #: MIT-048	Market: BIT/ETLX	Assisted: N
Description: Validate Orders Deletion during Continuous Trading.			
Comments:			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Cancel a entered another user <i>(Assuming there is at least one order in the order book. If there are no orders in the order book, please request to another user to create it.)</i> <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully cancelled. Receive Execution Report No Execution Report are sent to user that are entered the order.	

5.7 Native Recovery

5.7.1 Requesting Missed Messages

Type: Native Recovery Gateway		ID #: MIT-049	Market: BIT/ETLX	Assisted: N
Description: This test case validates that native recovery works by sending a Missed Message Request for all AppIDs (LoadIDs)				
Comments: The same CompID and password must be used for both Native Trading and Native Recovery services.				
Prerequisites: Already logged on to the Native Trading Gateway from previous trading test case. Cancel-on-Disconnect needs to be enabled on the CompID used for testing. (Or send a request to Borsa Italiana to cancel your open orders on your behalf while the CompID is disconnected from the Exchange.)				
#	Test Steps	Expected Results		
1	Enter 3 passive orders that rest on the orderbook, one on each LoadID. <i>(the LoadID for each instrument can be obtained from the Instrument.csv reference data file.)</i>	3 orders are now resting on the orderbook, one on each LoadID (also known as AppID and PartitionID).		
2	If cancel-on-disconnect is enabled: drop the connection Otherwise: Logout the CompID. Contact Borsa Italiana and request them to cancel the open orders on your behalf	While the CompID is disconnected, the open orders are cancelled		
3	Wait 30 seconds, and then establish a connection to the Native Gateway real-time channel <i>(This needs to happen before connecting to the recovery channel)</i>	Successful logon to the Native Gateway real-time channel.		
4	Establish a connection and Logon to the Native Recovery Channel	Successful logon to the Native Gateway recovery channel		

5	Send a Missed Message Request for LoadID 1 (also known as AppID 1) specifying the LastMsgSeqNum that is known for that LoadID.	<p>Missed Message Request Is Sent</p> <p>Missed Message Request Ack received with ResponseType=0 (Successful)</p> <p>Execution Report(s) received for each cancelled order</p> <p>Missed Message Report received with ResponseType=0 (Download Complete)</p>
6	Repeat Step 5 for all other LoadIDs	Step 5 is repeated for LoadID 2 and LoadID 3.
7	<p>Logout from the Native Recovery service within 3 heartbeat intervals</p> <p><i>(The server with disconnect customer connection if there is no activity for 3 heartbeat intervals)</i></p>	<p>Logout successful and Recovery session terminated</p> <p>Connection to the Realtime Channel should remain active and heartbeating.</p>

5.8 Post Trade Gateway Validation

5.8.1 Establish Logon for Test Cycle

Type: Post Trading Gateway		ID #: MIT-050	Market: BIT/ETLX	Assisted: N
Description: Establish a connection and Logon.				
Comments:				
PrerequisitesNone.				
#	Test Steps	Expected Results		
1	Establish a connection and Logon to the Post Trade Gateway.	Successful Logon.		

5.8.2 Own Trade Book Download

Type: Post Trading Gateway		ID #: MIT-051	Market: BIT/ETLX	Assisted: N
Description: Validate Own Trades Book Download.				
Comments:				
Prerequisites Already logged on from previous Test Case.				
#	Test Steps	Expected Results		
1	Send a Trade Capture Report Request. <i>Please provide TradeRequestID in the Certification Report.</i>	Receive a Trade Capture Report Request Ack Receive Trade Capture Report(s) as requested		

5.9 DropCopy

5.9.1 Establish Logon for Test Cycle

Type: Drop Copy Gateway		ID #: MIT-055	Market: BIT/ETLX	Assisted: N
Description: Establish a connection and Logon.				
Comments:				
Prerequisites None.				
#	Test Steps	Expected Results		
1	Establish a connection and Logon to the Drop Copy Gateway.	Successful Logon.		

5.9.2 Own Order Book Download

Type: Drop Copy Gateway		ID #: MIT-056	Market: BIT/ETLX	Assisted: N
Description: Validate Own Order Book Download				
Comments:				
Prerequisites: Already logged on from previous Test Case.				
#	Test Steps	Expected Results		
1	Send a Mass Order Status Request. <i>Please provide MassStatus ReqID and the Trader Group in the Certification Report</i>	Receive Execution Report for each active order for the specified Trader Group.		

5.10 On Behalf of Actions Native & FIX Trading Gateways

5.10.1 Cancel Client's Order

Type: On behalf of – Fix/Native Gateways	ID #: MIT-057	Market: BIT/ETLX	Assisted: Y
Description: Exchange cancels an order on behalf of a customer.			
Comments:			
Prerequisites Contact Borsa Italiana for executing this test in co-ordination with customer. Already logged on from previous Trading test case.			
#	Test Steps	Expected Results	
1	Customer to Enter a passive order that rests on the order book <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully submitted and resides on the order book. Receive Execution Report	
2	Request Borsa Italiana to cancel the order, stating the OrderID Borsa Italiana cancel the orders as requested.	The order is successfully cancelled. Receive Execution reports with exec type (4).	
3	Customer to confirm receipt of unsolicited messages		

5.10.2 Cancel Client's Quote

Type:			
On behalf of – Fix/Native Gateways	ID #: MIT-058	Market: BIT/ETLX	Assisted: Y
Description: Exchange cancels a quote on behalf of a customer.			
Comments:			
Prerequisites: Contact Borsa Italiana for executing this test in co-ordination with customer. Already logged on from previous Trading test case.			
#	Test Steps	Expected Results	
1	Customer enters an executable quote that rests on the orderbook. <i>Please provide QuoteMsgID/ Client Order ID in the Certification Report.</i>	If quoting is supported, quote is submitted and resting on the order book. If quoting not supported move onto step 3.	
2	Request Borsa Italiana to cancel the quote stating QuoteMsgIDs Borsa Italiana cancel the quotes as requested.	The quote is successfully cancelled. Receive Execution reports with exec type (4).	
3	Customer to confirm receipt of unsolicited messages		

5.10.3 Cancel Client's Trade

Type: On behalf of – Fix/Native Gateways	ID #: MIT-059	Market: BIT/ETLX	Assisted: Y
Description: Exchange cancels a trade.			
Comments:			
Prerequisites: Contact Borsa Italiana for executing this test in co-ordination with customer. Already logged on from previous Trading test case.			
#	Test Steps	Expected Results	
1	Customer to Enter an aggressive order that trades as <u>fully</u> filled. (OrderStatus = 2) <i>Please provide TradeMatchID, Order ID and Client Order ID in the Certification Report.</i>	The order is successfully submitted and resides on the order book. Receive Execution Report for fully filled	
2	Request Borsa Italiana to cancel the trade, providing the TradeMatchID that will be used for this test. Borsa Italiana cancel the trade	The trade is cancelled. Customer receives Execution Report for trade cancellation. Customer receives 2 nd Execution Report for the Order which is also cancelled.	
3	Customer to Enter an aggressive order that trades as partially filled. (OrderStatus = 1) <i>Please provide TradeMatchID, Order ID and Client Order ID in the Certification Report.</i>	The order is successfully submitted and resides on the order book. Receive Execution Report for partial fill	
4	Request Borsa Italiana to cancel the trade, providing the TradeMatchID that will be used for this test. Borsa Italiana cancel the trade	The trade is cancelled. Customer receives Execution Report for trade cancellation. Customer receives 2 nd Execution Report for the Order with the new quantity restated as follows: OrigQty – PartialTradedQty	

5.10.4 Committed Cross Orders

Type:	ID #:	Market:	Assisted:
FIX/Native Gateways	MIT-060	BIT	N
Description: Validate Committed Cross Orders during Continuous Trading.			
Comments:			
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case. Call the market access team to book time for executing this test in co-ordination with an analyst.			
#	Test Steps	Expected Results	
1	Enter a Committed Cross order on Sell side and setup the Cross ID to <membercode>yyymmddhhmmss (format required only for conformance test purpose) <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully submitted.	
2	Market Access Analyst enters a Committed Cross order on Buy side having the Cross ID format as previously specified, confirmed by customer <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is matched with other side order and executed. Receive Execution Report	

5.10.5 Committed BTF Orders

Type: FIX/Native Gateways		ID #: MIT-061	Market: BIT	Assisted: N
Description: Validate Committed BTF Orders during Continuous Trading.				
Comments:				
Prerequisites This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case.				
Call Market Access to book time for executing this test in co-ordination with the Analyst.				
#	Test Steps	Expected Results		
1	Enter a Committed BTF Cross order on Sell side and setup the Cross ID to <membercode>yyyymmddhhmmss (format required only for conformance test purpose) <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is successfully submitted.		
2	Analyst enters a Committed BTF Cross order on Buy side having the Cross ID format as previously specified, confirmed by customer <i>Please provide Order ID(s) and Client Order ID in the Certification Report.</i>	The order is matched with other side order and executed. Receive Execution Report		

5.11 All Gateways

5.11.1 Error Handling

Type:	ID #:	Market:	Assisted:
Error Handling – All Gateways	MIT-062	BIT/ETLX	Y
Description: Verifying Logon after Suspension / Un-suspension of UserID.			
<p>Comments: Mandatory Test</p> <p>This test case needs to be repeated for every interface/service the customer subscribes to, i.e. a customer needs to repeat the steps below for each Gateway. This test needs to be completed (where applicable) for the services listed below:</p> <ul style="list-style-type: none"> • FIX Gateway • Native Gateway • Native Recovery • Drop Copy Gateway • Post Trade Gateway • FIX/FAST Replay Service (any one channel) • FIX/FAST Recovery Service (any one channel) • Group Ticker Plant Replay Service (any one channel) • Group Ticker Plant Recovery Service (any one channel) <p>When executing this test case for Market Data Services, please choose any one channel to connect to and provide details in the comments section of the Certification Report.</p>			
Prerequisites: CompID / UserID is logged off			
#	Test Steps	Expected Results	
1	Request Borsa Italiana to suspend the CompID.	CompID is suspended.	
2	Establish a connection and Logon to the applicable Gateway(s). Customer to verify the reject message.	Logon is rejected. Customer application should automatically stop trying to logon and display the reason the logon was unsuccessful.	
4	Verify application behaviour conforms to the connectivity policy as outlined in the Technical Specification	Customer application attempts to connect a maximum of 3 times to the primary gateway with a minimum timeout value of 3 seconds between attempts before attempting to connect to the secondary gateway – and this should be retried a maximum of a further 3 times.	

5	Request Borsa Italiana to un-suspend CompID	CompID un-suspended
6	Establish a connection and Logon Gateway	Successful Logon

5.12 FIX Session Level Testing

5.12.1 Heartbeat Exchange

Type:	ID #:	Market:	Assisted:
FIX Session Testing	MIT-063	BIT/ETLX	N
Description: The client and the server are exchanging Heartbeat messages during the period of client's inactivity.			
Comments: Mandatory Test for new software applications only			
Prerequisites: Customer application can suspend sending all messages except heartbeats. (Heartbeats are only sent during periods of inactivity).			
#	Test Steps	Expected Results	
1	<i>Document the time of test execution start in the Certification report.</i>		
2	Establish a connection and Logon to the Gateway.	Successful Logon.	
3	Stay inactive, i.e. make sure that there are no client initiated messages sent to the server. Make sure there are no unexpected disconnects within reasonable (a few minutes) timeframe.	There are no client initiated messages sent to the Gateway. Gateway is sending Heartbeat messages to the client. Client is sending Heartbeat messages to the Gateway.	
4	<i>Document the time of test execution end in the Certification Report and document whether or not disconnects happen during test execution.</i>		

5.12.2 Test Request

Type: FIX Session Testing		ID #: MIT-064	Market: BIT/ETLX	Assisted: Y
Description: The client is sending Heartbeat message back to a Test Request message initiated by the server.				
Comments:				
Prerequisites: Customer application can suspend sending all messages to the gateway temporarily. Customer application can manually send a test request				
#	Test Steps	Expected Results		
1	<i>Document the time of test execution start in the Certification Report.</i>			
2	Establish a connection and Logon to the Gateway.	Successful Logon.		
3	Disable all client messages, i.e. make sure that there are no client side messages (including Heartbeat messages) sent to the server. Wait for the Gateway to send a Test Request message.	<p>There are no client side messages sent to the server.</p> <input type="checkbox"/> Server is sending Heartbeat messages to the client. <input type="checkbox"/> Client is not responding to Heartbeat messages sent by the server. <input type="checkbox"/> Server is sending a Test Request message. <input type="checkbox"/> Client should respond with a Heartbeat message including TestReqID(112).		
4	<i>Customer to send a Test Request</i>	Gateway responds with Heartbeat message including TestReqID(112).		
5	<i>Document the time of test execution end in the Certification Report and document whether or not disconnects happen during test execution.</i>			

5.12.3 Inactivity Disconnect

Type:	ID #:	Market:	Assisted:
FIX Session Testing	MIT-065	BIT/ETLX	Y
Description: Terminating a FIX session on client's inactivity.			
Comments:			
Prerequisites: Customer must be able to suspend sending any messages to the gateway manually.			
#	Test Steps	Expected Results	
1	Document the time of test execution start in the Certification Report.		
2	Establish a connection and Logon to the Gateway.	Successful Logon.	
3	Disable all client messages, i.e. make sure that there are no client side messages sent to the server.	<p>There are no client side messages sent to the server.</p> <input type="checkbox"/> Server is sending Heartbeat messages to the client. <input type="checkbox"/> Client is not sending Heartbeat messages to the server. <input type="checkbox"/> Server is sending a Test Request message. <input type="checkbox"/> Client is not responding to the Test Request message. <input type="checkbox"/> Server disconnects the client.	
4	Document the time of test execution end in the Certification Report.		

5.12.4 Sequence Reset

Type: FIX Session Testing		ID #: MIT-066	Market: BIT/ETLX	Assisted: Y
Description: FIX message Sequence Reset.				
Comments: Mandatory Test for new software applications only				
Prerequisites: None				
#	Test Steps	Expected Results		
1	<i>Document the time of test execution start in the Certification report.</i>			
2	Establish a connection and Logon to the Gateway.	Successful Logon.		
3	Make sure that the client and Server are exchanging Heartbeat messages. Send a Sequence Reset message MsgType=4. Make sure that the value of the NewSeqNo tag is greater than the sequence number of the latest incoming Heartbeat message.	Gateway is sending Heartbeat messages to the client. Client is responding to Heartbeat messages sent by the server. Gateway resets messages sequence number to the value specified in NewSeqNo tag sent by the client.		
4	<i>Document the time of test execution end in the Certification Report.</i>			

5.12.5 Sequence Reset at Logon

Type: FIX Session Testing		ID #: MIT-067	Market: BIT/ETLX	Assisted: Y
Description: FIX messages Reset initiated by the client at Logon.				
Comments: Mandatory Test for new software applications only				
Prerequisites: None				
#	Test Steps	Expected Results		
1	<i>Document the time of test execution start in the Certification Report.</i>			
2	Establish a connection and Logon to the Gateway.	Successful Logon.		
3	Make sure that the client and Server are exchanging Heartbeat messages and inbound and outbound MsgSeqNum is > 10.	Server is sending Heartbeat messages to the client. Client is sending Heartbeat messages to the server.		
4	Disconnect from the server.	FIX session is terminated.		
5	Client to set the next expected inbound and outbound MsgSeqNumbers to 1. Send a Logon message with ResetSeqNumFlag tag set to "Y".	Server is responding with a Logon message with the ResetSeqNumFlag tag set to "Y". Messages sequence is reset to "1". Server and Client sending heartbeat messages		
6	<i>Document the time of test execution end in the Certification Report.</i>			

5.12.6 Resend Request

Type:FIX Session Testing		ID #: MIT-068	Market: BIT/ETLX	Assisted: Y
Description: Client Resend Request.				
Comments: Mandatory Test for new software applications only				
Prerequisites: Customer application needs to support manually setting the next expected inbound MsgSeqNum (tag34).				
#	Test Steps	Expected Results		
1	<i>Document the time of test execution start in the Certification Report.</i>			
2	Establish a connection and Logon to the Gateway.	Successful Logon.		
3	Submit an order that results in a fully filled trade Note down the Message Sequence number received for this execution report.	The trade execution report received.		
4	Submit a Logout request	Logout acknowledged by gateway		
5	Customer to manually set their next expected inbound MsgSeqNum to the value obtained in step 3	Customer application's next expected inbound MsgSeqNum reconfigured.		
6	Reconnect and log on.	Logon successful.		
7	Customer application should detect a sequence number gap and send a Resend Request (MsgType=2) with tags BeginSeqNo and EndSeqNo set to the value obtained in step 3	Gateway will resend the Execution Report back to the client, with PossDup(43)=Y. Gateway will send a SeqReset with the next expected sequence number in tag 36.Session should remain active with heartbeats being exchanged.		
8	<i>Document the time of test execution end in the Certification Report.</i>			

5.13 Trade Amendments

5.13.1 Trade Amendments - Quantity FULL Execution

Type: Trade Amendments	ID #: MIT-069	Market: BIT/ETLX	Assisted: Y
Description: Trade Amendments - Quantity Decreases			
Comments: Borsa Italiana may amend the Quantity(decrease) of any trade. The client will receive two notifications: one for the trade correct and another for the order restatement.			
Prerequisites: Contact Borsa Italiana for executing this test in co-ordination with customer. Already logged on from previous Trading test case.			
#	Test Steps	Expected Results	
1	<p>Customer to Enter an aggressive order that trades as <u>fully</u> filled. (OrderStatus = 2) with Order Quantity 200</p> <p>Please provide TradeMatchID, Order ID and Client Order ID in the Certification Report.</p>	<p>The order is successfully submitted and resides on the order book.</p> <p>Receive Execution Report for fully filled.</p>	
2	<p>Request Borsa Italiana to update the trade - Quantity decrease</p> <p>Executed Quantity is amended by Borsa Italiana to 100</p>	<p>After the Amend:</p> <p>Step 1 Order Qty (200) = Executed Qty (100) + Leaves Qty (100) → an Execution report would be sent with Order Status = Partially Filled and Exec Type = Trade Correct</p> <p>Step 2: Order Qty (100) = Executed Qty (100) + Leaves Qty (0) → an Execution report would be sent with Order Status = Filled and Exec Type = Restated</p>	

5.13.2 Trade Amendments - Quantity Partially Execution

Type: Trade Amendments	ID #: MIT-070	Market: BIT/ETLX	Assisted: Y
Description: Trade Amendments - Quantity Decreases			
Comments: Borsa Italiana may amend the Quantity(decrease) of any trade. The client will receive two notifications: one for the trade correct and another for the order restatement.			
Prerequisites: Contact Borsa Italiana for executing this test in co-ordination with customer. Already logged on from previous Trading test case.			
#	Test Steps	Expected Results	
1	<p>Customer to Enter an aggressive order that trades as <u>partially</u> filled(OrderStatus = 1) with Order Quantity 1200 and Executed quantity 500.</p> <p>Order Qty (1200) = Executed Qty (500) + Leaves Quantity (700)</p> <p>Please provide TradeMatchID, Order ID and Client Order ID in the Certification Report.</p>	Receive Execution Report for partial fill.	
2	<p>Request Borsa Italiana to update the trade – Quantity decrease</p> <p>Executed Quantity is amended by Borsa Italiana from 500 to 300</p>	<p>After the Amend:</p> <p>Step 1 Order Qty (1200) = Executed Qty (300) + Leaves Qty (900) → an Execution report would be sent with Order Status = Partially Filled and Exec Type = Trade Correct</p> <p>Step 2: Order Qty (1000) = Executed Qty (300) + Leaves Qty (700) → an Execution report would be sent with Order Status = Partially Filled and Exec Type = Restated</p>	

5.13.3 Trade Amendments – Price

Type: Trade Amendments	ID #: MIT-071	Market: BIT/ETLX	Assisted: Y
Description: Trade Amendments - Price			
Comments: Borsa Italiana may amend the price of any trade. The client will receive two notifications: one for the trade correct and another for the order restatement.			
<i>Prerequisites: Contact Borsa Italiana for executing this test in co-ordination with customer. Already logged on from previous Trading test case.</i>			
#	Test Steps	Expected Results	
1	Customer to Enter an aggressive order that trades as full filled. Please provide TradeMatchID, Order ID and Client Order ID in the Certification Report.	Receive Execution Report for the execution..	
2	Request Borsa Italiana to update the trade for price amend	Execution report would be sent with Exec Type = Trade Correct (G)	

5.14 Sponsored Access

5.14.1 Drop Copy - Kill Switch and Reactivation Functionality

Type: Drop Copy Gateway	ID #: MIT-072	Market: BIT	Assisted: N
Description: the Monitoring CompID/User suspends and reactivate the Sponsored CompID/User			
Comments: Mandatory for Sponsoring Firms			
Prerequisites: the Sponsoring firms need to specify their "Monitoring CompID/User" and advise which Sponsored CompID/User is/are to be monitored by that 'Monitoring CompID/User'.			
#	Test Steps	Expected Results	
1	The Monitoring CompID/User sends a User Request Message (MsgType: BE) to suspend the Sponsored CompID/User [UserRequestType=103] <i>Please provide UserRequestID , timestamp and Username</i>	Receive User Response Message (MsgType: BF) with UserStatus=103 (User Suspended)	
2	The Monitoring CompID/User sends a User Request Message (MsgType: BE) to reactivate the Sponsored CompID/User [UserRequestType=104] <i>Please provide UserRequestID , timestamp and Username</i>	Receive User Response Message (MsgType: BF) with UserStatus=104 (User Active)	

5.14.2 Drop Copy - Request Individual User Status

Type: Drop Copy Gateway	ID #: MIT-073	Market: BIT	Assisted: N
Description: the Monitoring CompID/User requests the user status of the Sponsored CompID/User			
Comments: Mandatory for Sponsoring Firms			
Prerequisites: the Sponsoring firms need to specify their "Monitoring CompID/User" and advise which Sponsored CompID/User is/are to be monitored by that 'Monitoring CompID/User'.			
#	Test Steps	Expected Results	
1	The Monitoring CompID/User sends a User Request Message (MsgType: BE) to request the status of the Sponsored CompID/User [UserRequestType=4] <i>Please provide UserRequestID , timestamp and Username</i>	Receive User Response Message (MsgType: BF) with UserStatus=103 (User Suspended) or 104 (User Active), depending on the status of the Sponsored CompID/User	

5.15 ETLX Specific Test Cases

All customers application which have successfully passed the conformance test for Borsa Italiana Markets, could obtain the Passport for Euro-TLX under the following conditions:

- The software code has not been changed from Borsa Italiana certified version
- The customer is requested to perform on TLX CDS the test cases TLX-005, TLX-09d, TLX-015b, TLX-015c,

5.15.1 Unique transaction identifier

Type:	ID #:	Market:	Assisted:
FIX/Native Gateways	TLX-005	ETLX	N
Description: ISV/Customer should certificate that their implementation will "automatically" generate the ClOrdID/QuoteMsgId/Client Order Id for each transaction placed on the platform.r			
Comments: For performance reasons MIT Exchange will not carry out any real-time duplicate detection based on ClOrdID/QuoteMsgId/Client Order Id			
Prerequisites: Participants have to ensure that each transaction sent to the platform contains an identifier that is unique for a trading day for each User (i.e. CompID for FIX).			
#	Test Steps	Expected Results	
1	Enter a Limit order (Assuming there are matching orders for this order in the order book. If there are no matching orders in the order book, please create them.) Please provide Order ID(s) and Client Order ID in the Certification Report.	The order goes on to the order book and rests (if not executed) or it is immediately executed. Receive Execution Report	
2	Repeat step 1 at least 5 minutes – generating automatically the ClOrdID/QuoteMsgId/Client Order Id	Confirm that the fields ClOrdID/QuoteMsgId/Client Order Id are automatically generated.	

Note: please notify to Exchange if the application will not automatically generate the ClOrdID/QuoteMsgId/Client Order Id for each transaction. This test case will be not validated during conformance session.

5.15.2 Limit order with capacity Unmatched Principal

Type: FIX/Native Gateways	ID #: TLX-09d	Market: ETLX	Assisted: N
Description: Validate Limit order having capacity set UnMatched Principal			
Comments: Test is only for Broker compID – TX1234NTV00 or TX1234FTV00			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Enter an ordinary Passive Limit order with following parameters: Capacity = UnMatched Principal Account = any value (Not BLANK) (Assuming there are matching orders for this order in the order book. If there are no matching orders in the order book, please create them.) Please provide Order ID(s) and Client Order ID in the Certification Report.	The order goes on to the order book and rests Receive Execution Report	

5.15.3 Quote with capacity = G

Type: FIX/Native Gateways	ID #: TLX-015b	Market: ETLX	Assisted: N
Description: Validate Executable quote submission having capacity = G			
Comments: Quote has to be anonymous and capacity = G			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Enter an Executable quote that rests on the order book setting capacity = G Please provide QuoteMsgID/ Client Order ID in the Certification Report.	The quote is successfully submitted. FIX: Receive Quote Status Report	

	Native: Receive Execution report for each side of quote.
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5.15.4 Order with capacity = G

Type: FIX/Native Gateways	ID #: TLX-015c	Market: ETLX	Assisted: N
Description: Validate new order submission having capacity = G			
Comments: LP/MM should be able to submit order with capacity = G			
Prerequisites: This test needs to be executed during Continuous Trading session. Already logged on from previous Test Case			
#	Test Steps	Expected Results	
1	Enter a New order that rests on the order book setting capacity = G Please provide QuoteMsgID/ Client Order ID in the Report.	The order is successfully submitted. Receive Execution Report.	

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