
BM&F BOVESPA

The New Exchange



**EntryPoint: Frequently Asked
Questions**

Version 1.0

Index

- 1 BASIC ENTRYPOINT QUESTIONS 4**
 - 1.1 WHAT IS ENTRYPOINT?4
 - 1.2 WHAT ARE THE KEY ENTRYPOINT BENEFITS?4
 - 1.3 IF I CODE TO THE ENTRYPOINT SPECIFICATION TODAY, HOW THE MIGRATION TO PUMA WILL IMPACT MY APPLICATION?4
- 2 ENTRYPOINT VS. MEGADIRECT..... 4**
 - 2.1 HOW ENTRYPOINT DIFFERS FROM MEGADIRECT?.....4
 - 2.2 WHAT IS MEGABOLSA ENTRYPOINT (MBEP)?.....4
 - 2.3 CAN MY MEGADIRECT, BELL, AND ENTRYPOINT SESSIONS COEXIST?.....4
 - 2.4 CAN I USE ENTRYPOINT TO ACCESS THE MEGABOLSA TRADING SYSTEM?5
 - 2.5 WHAT SHOULD I DO IN ORDER TO BE PREPARED TO THE MEGADIRECT → ENTRYPOINT MIGRATION?.....5
- 3 FIX CONNECTIVITY AND DROP COPY 5**
 - 3.1 WILL I BE ABLE TO TRADE MULTIPLE MARKET SEGMENTS (DERIVATIVES, EQUITIES, FX) THROUGH A SINGLE ENTRYPOINT SESSION?5
 - 3.2 MY FIRM RUNS A TRADING DESK. DO I NEED SEPARATE, PER TRADER, FIX CONNECTIONS?.....5
 - 3.3 CAN I COMBINE MULTIPLE DMA AND DESK FLOWS INTO A SINGLE FIX SESSION?5
 - 3.4 WHAT DATA SOURCES WILL BE AVAILABLE IN THE ENTRYPOINT DROP COPY SESSIONS?.....5
- 4 LINE..... 6**
 - 4.1 WHAT ARE THE CHANGES IN LINE BEHAVIOR FOR THE DERIVATIVES SEGMENT?.....6
 - 4.2 WHAT ARE THE CHANGES IN LINE BEHAVIOR FOR THE EQUITIES SEGMENT?6
 - 4.3 WHAT ARE THE CHANGES IN LINE BEHAVIOR FOR THE FX SEGMENT?6
- 5 ENTRYPOINT TIMELINE..... 7**

Change log

| Date | Version | Description | Author |
|-----------------------------------|---------|-------------------|--------|
| September 28 th , 2011 | 1.0 | - Initial Version | AG |

1 Basic EntryPoint Questions

1.1 What is EntryPoint?

EntryPoint is the evolution of BM&FBovespa current order entry APIs. It leverages the knowledge base associated with the BELL and MegaDirect APIs but provides an improved, unified message specification allowing seamless access to multiple market segments, such as Equities, Derivatives, and Foreign Exchange.

1.2 What are the key EntryPoint benefits?

EntryPoint provides a number of advantages for the market participants:

- Less development effort, since most of the messaging behavior stays the same across all markets.
- Single point of view for all markets, which eases development of multi market segment applications, such as cross market trading screens.
- Easier construction of inter market trading (e.g.: client side strategies)

1.3 If I code to the EntryPoint specification today, how the migration to PUMA will impact my application?

There should be no major API impact when the migration from MegaBolsa to PUMA takes place. Minor differences will be communicated in the customer impact document on due time.

2 EntryPoint Vs. MegaDirect

2.1 How EntryPoint differs from MegaDirect?

EntryPoint is based on the 4.4 version of the Financial Information eXchange ("FIX") Protocol. MegaDirect is based on FIX.4.2. EntryPoint offers a number of advanced functionalities such as Options Exercise and Blocking, User Defined Strategy creation and trading, and the Equities forward market.

2.2 What is Megabolsa EntryPoint (MBEP)?

Megabolsa EntryPoint (MBEP) is a lightweight wrapper for the Megabolsa system. It allows customers early access to the equities segment via the EntryPoint API. This will allow seamless migration to the PUMA Trading System, since participants will be connected via an EntryPoint API before PUMA rolls out support for equities.

For the ease of understanding, EntryPoint is the specification, MBEP and PUMA are the implementations.

2.3 Can my MegaDirect, BELL, and EntryPoint sessions coexist?

MegaDirect, BELL, and EntryPoint session will be able to coexist during the migration period. Be advised that EntryPoint connectivity aspects such as IP addresses and port ranges might be different from the preexisting sessions. Participants should account for that when preparing their network infrastructure.

2.4 Can I use EntryPoint to access the MegaBolsa Trading System?

EntryPoint can be used to trade on the MegaBolsa trading system. It is not restricted to PUMA.

2.5 What should I do in order to be prepared to the MegaDirect → EntryPoint Migration?

Participants should do the following:

- Download the EntryPoint Messaging Guidelines and Specification documents.
- Adapt their applications so that they are EntryPoint compliant.
- Apply for certification. The Certification and Testing Center (ctc@bvmf.com.br) will make the proper arrangements.
- Request one or more EntryPoint sessions in the production environment.

3 FIX Connectivity and Drop Copy

3.1 Will I be able to trade multiple market segments (Derivatives, Equities, FX) through a single EntryPoint session?

Multiple-segment trading over a single session will be possible, though not at launch date: this functionality will be available when all securities migrate to the new trading platform.

3.2 My firm runs a trading desk. Do I need separate, per trader, FIX connections?

Multiple desk traders can share a single FIX connection. However, participants have a choice to request multiple sessions, if needed (e.g. desks on multiple geographical locations).

3.3 Can I combine multiple DMA and desk flows into a single FIX session?

Participants must contract separate FIX sessions for each of the trading flows (DMA 1-4, Desk).

3.4 What data sources will be available in the EntryPoint Drop Copy sessions?

EntryPoint Drop Copy sessions will allow access to Execution Reports, Order Cancel Rejects, and Business Message Rejects resulting from inbound EntryPoint traffic (MBEP end PUMA), and inbound BELL traffic. Note that this excludes orders originated from sources such as:

- MegaDirect
- Megabolsa Station (*Estação Megabolsa*)

BVMF will provide a number of filtering options so that participants can separate the drop copy flow according to a set of message characteristics. The filtering options will be communicated in due time.

4 LiNe

This section describes the changes that apply to the LiNe credit control system. Please note that most of the changes are transparent for end customers. All mention to the management portal applies only to member firms, since they are responsible for managing their customers' limits.

4.1 What are the changes in LiNe behavior for the Derivatives Segment?

LiNe for EntryPoint derivatives will show as an extra menu option in the management portal. Thus, limits applicable to EntryPoint sessions will be separate from existing limits, and will behave as an extra limit group, much like "Co-location" and "Co-location 2" are separate.

As the BELL API is discontinued, the existing menu options will be disabled and all derivatives limits will be managed through the EntryPoint Derivatives menu option.

4.2 What are the changes in LiNe behavior for the Equities Segment?

LiNe EntryPoint for Equities will be available as an extra limit management entity. However, differently from the derivatives segment, a separate management portal will be provided. As MegaDirect is discontinued, we will also discontinue the MegaLiNe management portal.

4.3 What are the changes in LiNe behavior for the FX Segment?

Due to the unique aspects of the FX risk management system, LiNe FX will be migrated in a turnkey fashion. However, as the FX risk management has no participant intervention, there will be no impact to participants.

5 EntryPoint timeline

The EntryPoint timeline follows:

