

# COMMERCIAL POLICY FOR CONNECTIVITY SERVICES

Responsible	Area
Drafting	IT Products and Market Data

### CHANGE LOG

Draft	Modified Item	Reason	Date
1	Original Draft	N/A	N/A
2	4 Contracting Rules 5 How to Contract	Need for adjustment since in OC 033/2017-DO the service was first released on June 4, 2017	June 6, 2017
3	<ul style="list-style-type: none"> <li>• New layout</li> <li>• Change of nomenclatures from PUMALink to FIX sessions</li> <li>• Change of nomenclatures:                             <ul style="list-style-type: none"> <li>○ From DMA 1, 2, 3, and 4 to Sponsored Direct Connections or Direct Market Access (DMA) connections.</li> <li>○ References to OC 063/2017 DP were also adjusted. OC 063/2017 DP determines that any and all types of access to the electronic trading platform will be ranked according to three characteristics:                                     <ul style="list-style-type: none"> <li>○ Execution solution administrator.</li> <li>○ Agent with access to the execution solution; and</li> <li>○ Hosting location of the execution solution.</li> </ul> </li> </ul> </li> <li>• FIX OE Sessions: New commercial policy.</li> </ul>	Restructuring of the FIX Order Entry Session commercial policies	August 30, 2021
4	Drop Copy Service: New Commercial Policy	New Drop Copy Structure	November 29, 2021
4.1	Market Data Services – MBP removal		April, 27, 2022
4.2	Non-Market Maker FIX OE Session Distribution: Inclusion of a new session rule for Market Maker clients operating DAP.		July 01, 2022
4.3	Inclusion of information to contract RCB and VPN services.		July 20, 2022
4.4	General review		December 20, 2022
5.0	RCB Network Services	New RCB service above 1Gbps and	July 11, 2023

		activation fee for RCB until 1Gbps.	
6.0	Binary Market Data Sessions	New Service	July 27, 2023
6.1	New drop copy rule	Inclusion of an exception for mandatory account filtering in cases of companies in the same financial group.	Aug 09, 2023
7.0	Binary Order Entry Sessions; RFQ Order Entry Session and RFQ Drop Copy Sessions	New Service	Nov 07, 2023

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## 1 INTRODUCTION

Communication between B3's trading environment and its participants is done through various connectivity services, among them: network services (RCB, VPN, partner links creation, etc.), and TCP/IP connections using the protocol based on Financial Information eXchange (FIX).

This document is intended to describe the commercial aspects of B3's connectivity services. As of the date of its publication, this Commercial Policy will replace any and all commercial definitions, rules and policies relating to the provision of the electronic communications network and electronic trading message services by B3.

It should be noted that participants are responsible for creating their own policies, which should suit the rules and procedures described in this document.

## 2 ACCESS PROFILES

The table below lists market participants authorized to contract B3's connectivity services:

PROFILE	DESCRIPTION
PNP/PN TRADING PARTICIPANT	Full Trading Participant (PNP): Institution with access authorization for trading. Trading Participant (PN): Institution with intermediation access authorization for trades carried out by PNPs as defined in the B3 Access Manual and in other B3 rules.
INVESTOR	The final investor registered with the B3 systems who is authorized by a PNP or PN and directly accesses the markets managed by B3.
ORDER ROUTING SERVICE PROVIDER	Service provider specialized in providing order and trade execution management systems (Execution/Order Management Systems – EMS and OMS) and other types of systems for order routing and trading. Such provider can provide B3 Co-location Services clients with access to their systems via cross-connection.
MARKET DATA DISTRIBUTOR	A solutions provider specialized in providing B3 Market Data or from other exchanges besides any other content of interest for the players located in the Santana de Parnaíba Data Center. Can host its equipment and systems in the B3 Data Center to capture the real-time quotation signal directly from the PUMA trading platform and can also receive quotations and content from other exchanges through dedicated circuits that reach their respective racks and redistribute them directly to other rack licensees via cross connection.
CONNECTIVITY PROVIDER	A provider providing means of communication with B3 based on its own networks for the distribution of B3 Market Data in native format without any prior manipulation. Thus, clients of such provider can access the B3 Market Data native A Feed without the need to build individual circuits dedicated to B3's electronic quotation feed platforms. Such provider may only install communications network equipment (switches, routers, etc.) within its racks, which will be provided in B3 Data Center Telecommunications Rooms. Such provider is not part of the group of operators authorized to provide access to RCB. Further details can be found in the Infrastructure Access Manual. Clients of this provider must sign the agreements relevant to the services consumed. Moreover, such provider must necessarily provide B3 with access to systems that allow for the verification of all clients who connect to B3 through its infrastructure.
DEDICATED CIRCUIT PROVIDER	A company managing the dedicated access circuits of B3's Co-location Services client to its respective rack environment. Such provider shall be duly authorized by the National Telecommunications Agency (Anatel). This provider's equipment is hosted in the B3 Data Center Telecommunications Room with access allowed only after trading hours.
RCB PROVIDER	This provider is duly authorized by the National Telecommunications Agency (Anatel) and presents the minimum technical requirements specified by B3 to provide participant access to the B3 Communication Network (RCB) infrastructure. This provider's equipment is hosted in the B3 Data Center Telecommunications Rooms with access allowed only after trading hours.
MANAGED SERVICES PROVIDER	A provider providing managed IT infrastructure hosting services to other companies. Such technological infrastructure may be electronic trading, post-trade, or relative to the clients' administrative systems.

### 3 FIX CONNECTIVITY SERVICES

FIX (*Financial Information eXchange Protocol*) is an electronic communication protocol developed for real-time exchange of information relating to securities trades and market data.

B3 makes available three types of FIX sessions for access to its trading and market data platforms (electronic quotations):

- **FIX Order Entry Sessions** for entry, order management and trading purposes. These sessions are based on FIX 4.4 and are available in two environments:
  - **PUMA**: Sessions are available in two formats:
    - FIX Order Entry Sessions.
    - Binary (SBE – *Simple Binary Encoding*) Oder Entry Sessions.
  - **RFQ**: FIX RFQ Order Entry Sessions.
- **FIX Drop Copy Sessions** for confirmation of orders and trades available in FIX 4.4 and denoted as Drop Copy Services and RFQ Drop Copy Services and,
- **FIX Market Data Sessions** for receiving the dissemination of real-time feed signal from the equity and derivative segments, using FIX FAST 5.0 in two formats:
  - FAST (FIX Adapted for Streaming) Market Data Sessions
  - SBE or Binary Market Data Sessions

Simple Binary Encoding offers lower latency when compared to the conventional FIX protocol.



### **3.1 ORDER ENTRY SESSIONS (OE)**

#### **3.1.1 FIX ORDER ENTRY SESSIONS**

FIX Order Entry Sessions are intended for the entry, electronic order management and trading sent by various market participants connected to the B3 electronic trading platform, using FIX protocol.

#### **3.1.2 BINARY ORDER ENTRY SESSIONS**

Binary Order Entry Sessions are intended for the entry, electronic order management and trading sent by various market participants connected to the B3 electronic trading platform, using SBE protocol.

### 3.1.3 FIX OE SESSION CLIENT PROFILES

Below are the categories that each profile can contract:

Type	Description
Trading Desk	Used by PNP or PN to enter, change or cancel orders and register trades either in its own name or on behalf of Investors. Order submission must be carried out exclusively by Traders
Order Conveyor	The order conveyor session is used by PNP or PN to enter, change or cancel orders and register trades, either in its own name or on behalf of Investors.
Bank Order Conveyor	Bank order conveyors are considered to be sessions intended exclusively for orders sent by B3-accredited order conveyors who are linked to a bank owned by the participant's economic group that performs data distribution across bank branch networks by order of their institutional clients.
FX	Intended exclusively for participants entitled to trade on the FX market
Supervisor	The FIX Supervisor session is intended exclusively for the cancellation of PNP orders.
Investor	A session for collective investment entities or any similar entity in Brazil or abroad, duly accredited by B3 that participates as the holder of trades carried out on its behalf via a PNP.

### 3.1.4 IDLE OE SESSION MAINTENANCE SERVICES

To encourage efficient consumption of OE sessions and following the best market practices, B3 started to offer idle session maintenance services in its order entry gateways.

The service is intended to encourage efficient consumption of B3's infrastructure. Due to the existence of scenarios relating to the clients' trading strategy, backup/contingency infrastructure maintenance strategies, among others, B3 will enable through this service, the maintenance of FIX sessions in a productive environment that are not necessarily being always used by the requesting clients.

#### 3.1.4.1. CRITERIA

The idle session maintenance service does not apply to OE RFQ Sessions.

The following FIX and Binary OE sessions categories are subject to the idle session maintenance policy:

- Investor-Investor<sup>1</sup> located within B3 Co-location.
- Investor-PNP<sup>2</sup> located within B3 Co-location.

The methodology used to consider a session idle is described below:

The average number of messages during the month will be calculated as follows:

$$\frac{\sum \text{messages of OE session in the month}}{\text{trading days in the month}}$$

The following OE Session messages will be considered:

- Messages for posting new orders, changes and cancellations of orders conveyed between the first and last trading day of the month.
- Segments: equities and derivatives.

<sup>1</sup> FIX OE Investor-Investor session: The PNP is the contractor, but the Investor uses its own infrastructure.

<sup>2</sup> FIX OE Investor-PNP session: the PNP is the contractor and the owner of the infrastructure.

The following messages will not be considered:

- Messages from specific instruments for warm up and for morning tests

The average number of trades during the month will be calculated as follows:

$$\frac{\sum \text{trades of the OE session in the month}}{\text{trading days in the month}}$$

The following FIX OE Session trades will be considered:

- Trades executed between the first and last trading day of the month.
- Segments: equities and derivatives in their specific FIX sessions.

The following will not be considered:

- Trades from specific instruments for warm up and for morning tests; and
- Order posting, change and cancellation messages.

The minimum number of messages and trades for the OE Session to be categorized as idle may be reviewed at B3's sole discretion, without the need for prior notice.

### 3.1.4.1.1. FIX OE Sessions

The FIX OE Sessions that follow the criteria above will be considered idle, according to the following rules:

**Average number of messages/day over a one-month period:** less than 1,000, AND

**Average number of trades/month:** less than 50 trades per day.

Example of FIX OE sessions considered idle:

SESSION ID	AVERAGE TRADE NUMBER/DAY	AVERAGE MESSAGE NUMBER/DAY	SESSION IS IDLE?
A	40	1000	NO
B	60	900	NO
C	40	900	YES

The rules above are valid for both sessions:

- ✓ Market Makers in any of the Market Maker programs stipulated by B3.
- ✓ Non-Market Makers

### 3.1.4.1.2. BINARY OE SESSIONS

Unlike FIX OE sessions, Market Maker and Non-Market Maker have separated rules in the OE Binary sessions. They will be considered idle according to the rules below:

- Market Maker Session:
  - Average number of messages/day over a period of month: less than 1.500.
- Non-Market Maker Session:

- Average number of trades per month: less than 80 trades per day.

#### 3.1.4.2. MONTHLY ADHERENCE CALCULATION

B3 will calculate the clients' need for contracting the service on a monthly basis. **Contracting the service is automatic** and takes place in all sessions whose adherence to the criteria is met. Service fees are described in the price list below.

All OE Investor-PNP type sessions must be duly identified as to the Investor who is using them. If there are fixed OE Sessions defined as Investor-PNP that do not have the Investor's name registered, the idle sessions policy will be applied to the PNP Participant that has contracted such sessions.

It should be noted that the calculation of session idleness for contracting automatic services will occur only in sessions that have already been configured in a productive environment for more than thirty (30) days, or that have not been canceled in the calculation month (up to 5 business days prior to the last business day of the calculation month).

#### 3.1.5. DISTRIBUTION OF OE SESSIONS

To optimize the allocation of resources in order entry gateways, B3 has a contractable session allocation policy in place based on tiers of the average number of executed trades.

B3 considers that a minimum number of sessions suitable to increase the trade volume is necessary and, therefore, allows clients to contract a specific number of sessions to execute their trades.

### 3.1.5.1. CRITERIA

The distribution does not apply to OE RFQ Sessions.

The distribution policy applies FIX OE and Binary sessions, being valid to:

- Non-Market Maker (FIX OE and Binary Sessions)
- Market Maker (Binary OE Session)

For session allocation based on the average number of daily trades executed by the Investor during the quarter, B3 will enable a contractable limit of FIX OE sessions for such Investor. This limit covers:

- The equities and derivatives data set.
- The total of FIX OE Investor-PNP and Investor-Investor sessions of all PNPs to whom the Investor's document is linked.

The average daily number traded by the Investor during the quarter will be calculated as follows:

$$\frac{\sum \text{trades in the quarter}}{\text{trading days in the quarter}}$$

For the stock option market only, the average number of trades performed in the quarter will be multiplied by 2.

The following trades will be considered:

- Trades executed via messages that flow from all Investor-Investor and Investor-PNP FIX OE Sessions.
- Trades executed by Investors sponsored by all PNPs to whom the Investor's document is linked.

- Trades carried out in the three-month period (from the first day of the quarter to the last day of the quarter) defined by the following intervals:
  - January to March.
  - April to June.
  - July to September.
  - October to December.
- Trades from the equities and derivatives data sets.

The following will not be considered:

- Trades from specific instruments for warm up and for morning tests;  
and
- Order posting, change and cancellation messages.

#### **3.1.5.1.1. NON-MARKET MAKER**

Due to the different characteristics of OE FIX and Binary sessions, session distribution tables were created, different for each case, as shown below.

##### **3.1.5.1.1.1. FIX OE SESSION DISTRIBUTION TABLE**

The table below shows the tiers of trade numbers and their maximum contractable quantities of FIX OE Sessions, which comprise the Investor-PNP and the Investor-Investor categories within B3 Co-location:



Tier	Daily Trade Average in the Quarter (Equities and Derivatives) <sup>1</sup>	Maximum Contractable Sessions (Equities and Derivatives) <sup>2</sup>
1	< 5,000	20
2	5,000 – 24,999	60
3	25,000 – 49,999	120
4	50,000 – 99,999	175
5	100,000 – 299,999	225
6	300,000 – 999,999	300
7	1,000,000 – 2,999,999	450
8	>= 3,000,000	600

<sup>1</sup> Considers the number of trades of all Investor's PNPs

<sup>2</sup> Numbers of Sessions distributed throughout the Investor's PNPs

### 3.1.5.1.1.2. BINARIES SESSIONS DISTRIBUTION TABLE

The Binary OE session distribution policy applies to Sessions of the Investor-Investor and Investor-PNP categories, **located inside and outside the B3 Co-location**. For customers using both environments, the OE Binary session distribution table will be applied to each environment separately, with the average trades carried out inside and outside the Co-location not being added together.

For the distribution of OE Binary sessions, a number of extra sessions were introduced for customers who need greater flexibility within the range of average trades in the quarter, allowing them to carry out their operations with a greater number of sessions without necessarily have to change tiers. The use of the extra range of sessions is subject to a usage fee defined in item 6. below.

TIER	ADT inside the quarters (Equities e Derivatives) <sup>1</sup>		Number of Sessions	Number of Extra Sessions	Top number of Sessions (Equities e Derivatives) <sup>2</sup>
1	-	4.999	16	2	18
2	5.000	24.999	38	8	46
3	25.000	49.999	88	18	106
4	50.000	99.999	120	18	138
5	100.000	299.999	160	24	184
6	300.000	999.999	200	24	224
7	1.000.000	2.999.999	230	24	254
8	3.000.000		260	24	284

<sup>1</sup> Considers the number of trades of all Investor's PNPs

<sup>2</sup> Numbers of Sessions distributed throughout the Investor's PNPs

### 3.1.5.1.2. MARKET MAKER

Due to the high performance of Binary OE Sessions, an OE session distribution table was created specifically for Market Makers, based on an index that considers the number of base<sup>3</sup> assets inside the market maker programs that clients join and a liquidity factor in the markets for these assets.

The following table shows the liquidity factor adopted in the respective markets.

Market	Factor
Equities	3
BDRs	5
ETF/Funds	6
Interest Rate	3
FX	6
Commodities	8
Futures Equities/Index	6
Options	0,5

<sup>3</sup> Base assets are understood to be the root codes that make up all derivations of the derivative asset nomenclatures. Ex: PETROBRAS base asset = PETR.

The calculation adopted for the index is defined as:

$$MM\ Index = \text{round up } \sum \frac{\text{assets of each market}}{\text{market factor}}$$

From the index value, refer to the session limit table below:

Tier	MM Index		Number of Sessions	Number of Extra Sessions	Top number of Sessions (Equities e Derivatives) <sup>2</sup>
1	1	5	16	9	25
2	6	12	30	11	41
3	13	28	45	14	59
4	30	65	65	20	85
5	66	130	100	30	130
6	131	260	140	42	182
7	261	520	260	78	338
8	521		340	102	442

Exemple:

An Institution that has adhered to the Market Maker program with:

- 100 Equities base instruments base
- 200 BDR base instruments
- 10 Options base instruments

Index calculation:

$$\text{Index} = \frac{100}{3} + \frac{200}{5} + \frac{10}{0,5} = 94$$

Looking into the table above, the number of sessions available to the Market Maker will be indicated in tier 5, or 100 regular sessions plus 30 extra sessions totalizing 130 sessions top.

The session distribution table for Market Maker includes an extra available number of sessions, in case there is a need for more sessions, without the corresponding change of tier.

The use of the extra range of sessions is subject to a usage fee defined in item 6. below.

### **3.1.5.2. REFERENCE VALUES IN DISTRIBUTION TABLES**

The values in these tables are subject to review at B3's sole discretion. Periodic reviews may be carried out through operating criteria and shall be notified to the market at least thirty (30) days in advance. Given the nature of such updates, they will not be considered changes to the B3 Connectivity Services price tables, which still may be changed by ninety-day prior notice in intervals of no less than twelve (12) months.

### **3.1.5.3. DETERMINATION OF THE AVERAGE DAILY TRADE NUMBER**

In the months of January, April, July, and October, B3 will calculate the average daily trade number that each Investor has executed over the last three months as described in the previous topics to find out whether there has been a change in its trade tier and consequently in its OE Session limits. When there is a change in the trade tier:

- To a higher tier of average executed trades, then this may result in an increase in the number of sessions available for the Investor.
- To a lower tier of average executed trades, then this may result in a decrease in the number of sessions available for the Investor. If the Investor has a total number of OE Sessions greater than the number permitted by the new tier, B3 will inform the Investor that the number of exceeding sessions will be canceled. From that moment on, the Investor will have five (5) business days to notify B3 which

session should be canceled. If the Investor fails to communicate B3 within the stipulated period which session should be canceled, B3 may unilaterally perform the cancellation, always considering the least-used session.

### 3.1.6. OE SESSION CHANGE – RULES

This rule does not apply to RFQ.

For non-Market Maker Investor-PNP sessions, the Investor may be changed, provided that the total number of OE Sessions of the new Investor is less than that allowed for its number of trades in the quarter, according to the criteria described in item 3.1 .1.2.1 CRITERIA. If the change is successful, B3 will decrement the number of sessions used by the former Customer.

For the Investor-Investor sessions type, it will not be allowed to change the PNP/PN.

For all sessions, the following changes will not be allowed:

- Market Maker to non-Market Maker and vice versa.
- Inside the B3 co-location to outside the B3 co-location and vice versa.
- Segment.
- Investor-Investor to Investor-PNP and vice versa.

In the above cases it is necessary to cancel and contract a new OE Session with the new attributes.

The contracting, cancellation and alteration must be requested through the email [subscribe@b3.com.br](mailto:subscribe@b3.com.br).

### 3.1.7. OE SESSION CANCELLATION – RULES

Where the PNP or Investor requests the cancellation of a Non-Market Maker Investor-Investor or Investor-PNP OE Session, the Investor's canceled session will be deducted from the number of sessions available, in the following cases:

- FIX Sessions
  - Non-Market Maker inside Co-location.
- Binaries Sessions
  - Market Maker or not, inside, or outside Co-location.

Accounting for available sessions does not apply to RFQ OE Sessions.

### 3.1.8. CONSIDERATIONS ON THROTTLE

The maximum throttle configurations allowed for FIX or Binary OE Services per activity type are:

- Market Maker – 200mps.
- Non-Market Maker – 150 mps.

For RFQ OE Sessions:

- Throttle - 150 mps.

### 3.1.9. CONSIDERATIONS ON THE OE SESSION POLICIES

Considering the particularity and the different scenarios possible in OE Sessions Connectivity Services, B3 reserves the right to assess at its sole discretion and as requested by the client, whether to set fees or quantities

for personalized service requests considering the effort undertaken by its internal area(s) and market value.

B3 encourages Participants to request occasional changes to this policy to stimulate or produce an increase in the number of trades executed in their different markets.

The responsibility for monitoring and/or managing OE sessions, within the scope of this Commercial Policy, rests exclusively with the Participant.

B3 is responsible for calculate the use of OE sessions, verifying their compliance with the rules established in the Non-Market Maker OE Sessions Maintenance Service and Distribution of OE Sessions, and applying the respective guidelines described in this Commercial Policy, if necessary.

### **3.2. DROP COPY SERVICE**

The new Drop Copy Service improves the client's experience, as from now on they will receive a set of FIX sessions relating to the contracted segment (stocks or derivatives) upon service delivery. The flow of confirmation messages (Execution Reports) of events relating to existing orders on the trading platform (new orders, total and partial executions, modifications and cancellations) may be sent to the client in a full or partial manner, depending on the Drop Copy Service type.

### 3.2.1. FIX DC SESSION CONTRACTOR PROFILES

Below are the profiles that can request the Drop Copy Service:

SERVICE TYPE	FILTER	CONTRACTOR PROFILE		
		PNP	PN	INVESTOR
Generic Drop Copy Service	Not applicable	✓		
Custom Drop Copy Service	OE sessions	✓	✓	✓
	Account			✓
	PNP			✓

### 3.2.2. DROP COPY SERVICE TYPES

#### 3.2.2.1. GENERIC DROP COPY SERVICE

The Generic Drop Copy Service delivers the entire flow of confirmation messages (Execution Reports) of events relating to orders existing on the trading platform (new orders, total and partial executions, modifications and cancellations).

In this service type B3 only applies the contracting PNP's standard generic filter, which allows for delivery of Execution Reports from such PNP, while inclusions of OE session and account filters are not permitted.

A contracted Generic Drop Copy Service cannot be transformed into a Customized Drop Copy Service, which is described below.

#### 3.2.2.2. CUSTOMIZED DROP COPY SERVICE

The Customized Drop Copy Service allows clients to request from B3 filter configuration, change or exclusion (Filter Services) in its order message flow.



It should be noted that the Filter Services request is charged according to the price description further below in this Commercial Policy.

Below are the criteria relating to Filter Services:

- **OE Sessions:** It should be noted that, if a OE Sessions is canceled, it will be automatically excluded from the Drop Copy Service filter. In that case, the filter service is not charged. This filter type is available for PNPs and Investors.
- **Accounts:** This filter type is only available for Investors and is not available for RFQ Drop Copy Service.
- **PNP:** This filter type is only available for Investors. PNPs are not allowed to include other participants in its filter.

Customized Drop Copy Service clients are allowed to include, modify or exclude filters at a later stage. This service is described in the pricing table further below in this document.

The Drop Copy services contracting rules are described below in the Contracting Rules item.

### **3.3. MARKET DATA SESSION**

#### **3.3.1. FAST MARKET DATA SESSIONS**

The FAST Market Data Sessions are used to receive B3 Market Data feeds or recover messages issued by the platforms, using FIX FAST protocol.

### 3.3.2. BINARY MARKET DATA SESSIONS

The Binary Market Data Sessions are used to receive B3 Market Data feeds using SBE encoded FIX protocol.

### 3.3.3. FIX MD SESSION CLIENTS' ACCESS PROFILES

All profiles described herein may become a B3 Market Data distributor directly connected to our platforms. Clients just need to contract Market Data services by signing the B3 market data contract. For further information, visit [https://www.b3.com.br/en\\_us/market-data-and-indices/data-services/market-data/](https://www.b3.com.br/en_us/market-data-and-indices/data-services/market-data/).

### 3.3.4. MARKET DATA SESSIONS TYPE

#### 3.3.4.1. UDMF – MARKET DATA SESSIONS

The Market Data signal UDMF (Unified Market Data Feed) contains all information and events that occur for the instruments traded on the trading platform. The UDMF signal is broadcast via UDP (User Datagram Protocol) multicast connections.

In this type of sessions, the offer book depths of the MBO, MBP and TOB types are available, described below:

- **MBO (*Market by Order*)**: Provides all buy and sell offers for each asset, with their respective quantities, and ordered by the best buy and sell offers. The ID of the PNPs that represent the offers in the book is also sent.

- **MBP (*Market By Price*)**: Provides buy and sell offers for each asset grouped by price levels, with the sum of their respective quantities at each price level, and ordered by the best buy and sell offers;
- **TOB (*Top of Book*)**: Provides only the offers at the top of the book for each asset, containing only the first price level of the buy and sell offers and their respective quantities.

Market Data UMDf sessions are available for FAST coding and SBE coding.

#### 3.3.4.2. CONFLATED UMDf – MARKET DATA SESSIONS

The UMDf (Unified Market Data Feed) Market Data provides the signal through a conflation algorithm, which limits the update rate of order books to every 300 milliseconds, avoiding delays in the applications of contractors who have low ability to absorb messages. However, executed trades, statistics and news continue to be sent in real time to the instruments traded on the trading platform. The UMDf Conflated signal is broadcast via TCP (Transmission Control Protocol) connections.

In this type of sessions, an in-depth MBO (Market By Order) order book is available, which provides all buy and sell offers for each instrument, with their respective quantities, and ordered by the best buy and sell offers. The ID of the PNPs that represent the offers in the book is also sent.

Market Data UMDf Conflated sessions are only available for FIX encoding. They are not available for SBE encoding.

### **3.3.4.3. MARKET DATA REPLAYER SESSION**

MD Session specializing in recovering messages lost during the day of UMDF PUMA market data due to multicast/UDP technology used on that platform. It is possible to retrieve messages from the beginning of the day. In this type of session, offer book depths of the MBO, MBP and TOB types are available. This service allows you to connect via TCP connections.

Market Data Replayer Session are only available for FIX encoding. They are not available for SBE encoding.

### **3.3.4.4. MARKET DATA HISTORICAL REPLAYER SESSION**

FIX MD Session specializing in recovering historical data messages from the first business day of the week of UMDF PUMA Market Data due to multicast/UDP technology used on that platform. MBO (Market by Order), MBP (Market by Price) and TOB (Top of the Book) are available using only TCP connection.

These sessions are only available to FIX and not SBE encoding.

## **4. CONTRACTING RULES**

The following contracting rules should be observed for all session types:

- Third party solutions to be used by the Client shall be duly certified with B3.
- Signing the B3 Technological Infrastructure and Systems and Services Agreement is required; and

- Connectivity services, as well as adherence to the rules of this commercial policy, are subject to audit by B3.
- FIX Sessions that do not comply with the usage rules described in this Commercial Policy are subject to the penalties defined by B3.

**A) For all OE Sessions:**

Contracting should be done by the PNP only.

For the OE Sessions used:

- **Inside B3 Colocation:**
  - It is necessary to have the B3 colocation services contracted. The Order Management System (OMS) that will connect to the Session can be from the PNP, the Customer or the Provider.
  - It is mandatory to inform:
    - ✓ The Investor CNPJ or CVM Code, for Investor-PNP or Investor-Investor type session. It will not be allowed to use the session by investors with CNPJ/CVM Code different from those informed.
    - ✓ Whether the session will be used to:
      - ✓ Market Maker:
        - It is necessary to inform the Market Maker accounts.
        - Upon request, DAP (IPCA Futures Coupon) market makers can hire Market Maker sessions also to trade DI1 (One-Day DI Average Rate Futures). This permission is not exempt from the application of the Idle OE Session Maintenance Services described in item 3.1.4.

- It will not be allowed to send orders for instruments that are not included in the Market Maker program, in Market Maker sessions.
- ✓ Non-Market Maker.
- **Outside B3 Colocation, Investor-Investor Type:**
  - The Investor must have its own RCB connection.
  - The signature of the Direct Access Agreement between the PNP, the Customer and B3 is required.

## B) For Drop Copy Service

- **Generic:**
  - The PNP must inform the market segment: stocks or derivatives.
  - Investors cannot contract this service type.
- **Customized:**
  - If the client is a PNP then they must inform:
    - The market segment: stocks or derivatives.
    - If it will be used by:
      - ✓ PNP itself. In this case:
        - Filtering per PNP other than the contractor will not be allowed.
        - It is possible to filter OE Sessions from the PNP itself.
        - It is not possible to filter Accounts.
        - There is no need for authorization per CNPJ, since the contractor is the PNP itself.
      - ✓ Investor. In this case:

- Given that the client contracting the Customized Service is the PNP, the Investor's ID on the Service request form is mandatory.
- Filtering per PNP other than the contractor will not be allowed.
- It is possible to filter the Investor's own OE Sessions.
- It is mandatory to identify the accounts, except for:
  - the Trading Investor and Trading Investor Co-location sessions.
  - Investor belonging to the same economic group as the contracting PNP. In this case, it is necessary to send formal authorization, via email, from both parties.
  - RFQ Drop Copy Sessions
- Authorization via CNPJ is not necessary as the client is the PNP itself.
- The contracting PNP must not transfer the responsibility for payment of the Drop Copy Service to the Investor.
- If the contractor is the Investor, then they must inform:
  - Market segment: stocks or derivatives. In this case:
    - It is allowed to filter per one or more PNPs, which must be informed.
    - It is possible to filter the Investor's own OE Sessions.
    - It is mandatory to identify the accounts, except for the Trading Investor and Trading Investor Co-location sessions. If the Drop Copy Service has more than one broker in the filter,

the identification of the accounts is mandatory, with no exceptions.

- There is a need for authorization per CNPJ, since the contractor is not the PNP. The respective PNP(s) may authorize the appropriate CNPJs through the B3 Services Portal.
- The PNP at the moment of the hire of FIX or Binary OE Session is allowed to request its inclusion in the customer's existing Custom Drop Copy Filter Service, being exempt from the charge for the respective Service, regardless whom is the contractor of the DC Service.

### C) For all MD Sessions:

- The client must be a Market Data B3 distributor who receives real-time electronic quotations directly from B3. For further information about Market Data distributors, visit the website:  
[https://www.b3.com.br/en\\_us/solutions/connectivity/fix-connectivity/](https://www.b3.com.br/en_us/solutions/connectivity/fix-connectivity/).

## 5. HOW TO CONTRACT B3 CONNECTIVITY SERVICES

B3 Participants must use the B3 Service Portal system.

Clients without access to the B3 Service Portal must request the activation through the emails below:

- OE Sessions: [contratacao@b3.com.br](mailto:contratacao@b3.com.br)
- Network Services: [contratacao@b3.com.br](mailto:contratacao@b3.com.br)



The signature of the Single Agreement is necessary to hire the services to access the production environment.

### 5.1. RCB

Before requesting the activation of the RCB access to B3, the steps below must be concluded:

1. Hire the circuit directly with one of the RCB Providers certified by B3.
2. Request to the Provider the VLAN ID of the circuit. For the 10 Gbps, it is also necessary to request the reserved port and switches.

After the steps above, the activation of the circuit must be requested to B3.

The information below will be required for the activation:

- B3 Data Center (Primary or Secondary).
- Client's Data Center address.
- Bandwidth.
- VLAN ID.
- Port (only for RCB 10 Gbps).
- Switches (only for RCB 10 Gbps).
- Designation of the circuit.
- Client's technical contact.

At the end of the activation process at B3, the Implementation Manual will be sent, with the necessary information for the final access configuration.

### 5.2. VPN

The information below is required to activate the VPN access:

- Public IP PEER of the VPN.
- Client's technical contact.

At the end of the activation process at B3, the Implementation Manual will be sent, with the necessary information for the final access configuration.

If you have technical questions, consult the B3 Technological Infrastructure Access Manual (see item 7 in this Policy).

## 6. FEE STRUCTURE

### 6.1. OE SESSION

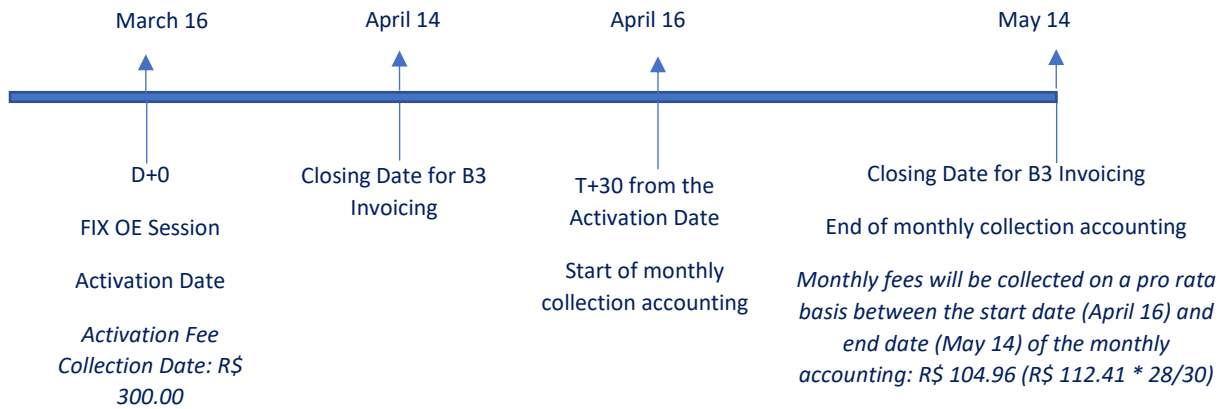
After hiring the first PNP FIX or Binary OE Session for each identified investor and each segment, the second one will be free of charge, i.e., neither activation fee nor monthly fee will be charged. Below are the fees for OE Sessions.

It will be granted a waiver for the first 30 (thirty) days from the activation date. The charge will be done pro rata.

It should be noted that the commercial connectivity services policy is subject to periodic price reviews according to B3's criteria.

Example of how a OE Session Activation Fee and Monthly Fee:

- Contracting date: March 16
- Category: Investor-Investor
- Within B3 Co-location
- Non-Market Maker



### 6.1.1. FIX OE SESSION

SERVICE	MONTHLY PAYMENT <sup>1</sup>	ACTIVATION FEE <sup>1</sup>
<b>FIX OE Session - use outside B3 co-location or at managed service providers <sup>2</sup></b>		USD 77.50 *
<b>CATEGORIES</b>	<b>REGULAR SESSIONS</b>	
RFQ**	USD 142.35	
SUPERVISOR TRADING DESK ORDER CONVEYOR BANK ORDER CONVEYOR INVESTOR FX	USD 142.35	
<b>FIX OE Session – use inside co-location</b>		
RFQ**	USD 142.35	
SUPERVISOR	USD 142.35	
TRADING DESK ORDER CONVEYOR BANK ORDER CONVEYOR INVESTOR	USD 85.41 <sup>3</sup>	
INVESTOR PNP INVESTOR-INVESTOR	USD 29.04 <sup>3</sup>	

<sup>1</sup> Amounts charged per session. Remembering that each session can be used in only one segment.

<sup>2</sup> The use of Session FIX OE via managed service providers is through the RCB edge and is therefore considered outside the Co-location environment.

<sup>3</sup> Discounted prices will remain valid for an indefinite period.

\* The activation fee for FIX OE sessions is fully charged at the time of activation.

\*\* An exemption from the monthly fee and activation fee for the first RFQ session (Drop Copy and Order Entry) valid until 11/30/2024 will be granted. The first OE RFQ session will be exempt for the investor, once, regardless of the sponsoring PNP.

IDLE OE SESSION MAINTENANCE SERVICES	
SERVICE	Per occurrence
Per FIX OE session	USD 142,35

### 6.1.2. BINARY OF SESSION

SERVICE	MONTHLY PAYMENT <sup>1</sup>		ACTIVATION FEE <sup>1</sup>
Binary OE Session - use outside B3 Colocation or at managed service providers <sup>2</sup>			USD 173.00*
<b>CATEGORY</b>	<b>REGULAR SESSIONS</b>	<b>EXTRAS SESSIONS</b>	
---			
TRADING DESK ORDER CONVEYOR BANK ORDER CONVEYOR INVESTOR FX	USD 200.00	USD 316.00	
Binary OE Session – Inside B3 Colocation			
<b>CATEGORY</b>	<b>REGULAR SESSIONS</b>	<b>EXTRAS SESSIONS</b>	
---			
TRADING DESK ORDER CONVEYOR BANK ORDER CONVEYOR INVESTOR PROVIDER	USD 200.00	USD 316.00	
INVESTOR-PNP INVESTOR-INVESTOR	USD 100.00 **	USD 200.00 ***	

<sup>1</sup> Amounts charged per session. Remembering that each session can be used in only one segment.

<sup>2</sup> The use of Session OE via managed service providers is through the RCB edge and is therefore considered outside the Co-location environment.

\* The activation fee for Binary OE sessions is fully charged at the time of activation.

\*\* Discount price of 50% in relation to regular session outside Colocation.

\*\*\* Discount price of 36% in relation to extra session outside Colocation

IDLE OE SESSION MAINTENANCE SERVICES	
SERVICE	Per occurrence
Per OE session	USD 316.00

## 6.2. DROP COPY SERVICE

TYPE	MONTHLY PAYMENT <sup>1</sup>	ACTIVATION FEE <sup>1</sup>	FILTER REQUEST/CHANGE/CANCELLATION <sup>2</sup> (OPTIONAL)
Generic Drop Copy Service			Not applicable
Customized Drop Copy Service	USD 142.35	USD 77.36	<ul style="list-style-type: none"> <li>• By filter request for OE Sessions and/or</li> <li>• Account USD <b>42.70</b>;</li> <li>• By PNP - <b>USD 284.69</b> (for each requested PNP). The fee will be charged from the PNP.</li> </ul>

<sup>1</sup> Fees charged per Service. Remembering that each service can be used in only one segment.

<sup>2</sup> Filters:

- The first filter used in RFQ-DC sessions is exempt from monthly and activation fees.
- Exemption from the monthly fee and activation fee for the first RFQ session (Drop Copy and Order Entry) valid until 11/30/2024 will be granted.
- OE Session: Available for PNPs and Investors.
- Account: Available only to Investors. Not available for RFQ Drop Copy Service.
- PNP: Available only to Investors.

## 6.3. FIX MARKET DATA SESSION

SERVICE	DESCRIPTION	COLLECTION BASIS	MONTHLY RATE /DATA SET
<b>BINARY MARKET DATA</b>			
MD U MDF MBO SESSION	STOCKS OR DERIVATIVES	PER SESSION	USD 0.00*
<b>MARKET DATA FAST</b>			
MD U MDF MBO SESSION	STOCKS OR DERIVATIVES	PER SESSION	USD 0.00
MD U MDF CONFLATED MBO SESSION	STOCKS OR DERIVATIVES	PER SESSION	USD 284.69
MD REPLAYER MBO SESSION	STOCKS OR DERIVATIVES	PER SESSION	USD 142.35
MD REPLAYER MBP SESSION	STOCKS OR DERIVATIVES	PER SESSION	USD 142.35
MD REPLAYER TOB SESSION	STOCKS OR DERIVATIVES	PER SESSION	USD 142.35
MD HISTORICAL REPLAYER MBO SESSION	STOCKS OR DERIVATIVES	PER SESSION	USD 284.69
MD HISTORICAL REPLAYER MBP SESSION	STOCKS OR DERIVATIVES	PER SESSION	USD 284.69
MD HISTORICAL REPLAYER TOB SESSION	STOCKS OR DERIVATIVES	PER SESSION	USD 284.69

\*The Binary U MDF connectivity service will have a waiver of 100% from pricing until 06/30/2024.

For Market Data cross queries an additional fee of USD 22.45 will be charged.

The same price applies to the use inside and outside B3 Co-location

For further information on Market Data services visit:

[https://www.b3.com.br/en\\_us/market-data-and-indices/data-services/market-data/distributors/contracts-and-commercial-policy/](https://www.b3.com.br/en_us/market-data-and-indices/data-services/market-data/distributors/contracts-and-commercial-policy/).

## 6.4. NETWORK SERVICES

SERVICE	COLLECTION BASIS	ADHERENCE	MONTHLY RATE
SHARED ACCESS <sup>1</sup>	Per Access	-	USD 142.35
SHARED ACCESS - Legacy <sup>1</sup>	Per Access	-	-
INTERNET VPN CONNECTION - LAN TO CLIENT	Per VPN	USD 113.88	USD 85.41
INTERNET VPN CONNECTION - LAN TO LAN	Per VPN	USD 113.88	USD 227.75
VPN INTERNET LAN - TO LAN FOR TESTS <sup>2</sup>	Per VPN	USD 113.88	USD 227.75
ACCESS VIA RTM <sup>3</sup>	Per Access	-	USD 142.35
RCB – 1 GBPS LINK <sup>4</sup>	Per link	USD 77.50	USD 71.18
RCB – ABOVE 1 GBPS LINK <sup>4</sup>	Per link	USD 77.50	USD 375.89
RCB – 1 GBPS LINK TEST ENVIRONMENT	Per link	-	USD 71.18

<sup>1</sup> Shared access is only permitted between institutions of the same financial group and via the RCB and VPN connections.

<sup>2</sup> The first two certification VPNs, one Unicast and one Multicast, are free of charge

<sup>3</sup> The fee structure and contracting of the communication lines should be checked with the RTM.

<sup>4</sup> The first two links for B3 Market Participants are free of charge.

## 7. TECHNICAL DOCUMENTS

Specifications involving entry, order management, and order confirmation and trade messages can be found at [https://www.b3.com.br/en\\_us/solutions/platforms/puma-trading-system/for-developers-and-vendors/entrypoint-order-entry/](https://www.b3.com.br/en_us/solutions/platforms/puma-trading-system/for-developers-and-vendors/entrypoint-order-entry/)

Technical specifications relevant to Market Data can be obtained directly from [https://www.b3.com.br/en\\_us/market-data-and-indices/data-services/market-data/market-data-platform/](https://www.b3.com.br/en_us/market-data-and-indices/data-services/market-data/market-data-platform/)

Technical specifications for other connectivity services can be found in the B3 Technology Infrastructure Access Manual at [https://www.b3.com.br/en\\_us/solutions/connectivity/b3-infra-access-types/](https://www.b3.com.br/en_us/solutions/connectivity/b3-infra-access-types/)

## 8. CONTACTS

Additional clarifications can be found in the table below:

Topic	Email address	Telephone No.
Questions about this policy	salesdatacenter@b3.com.br	+55 11 2565-5996
Contracting and questions about the Service Portal	sessaoifix@b3.com.br	+55 11 2565-5081 WhatsApp: +55 11 99151-4402
Trading	suporteanegociacao@b3.com.br	+55 11 2565-5021