



BME Proximity Service Description

January 2020

1. INTRODUCTION

BME Proximity service is aimed at providing authorized entities with space and access to SIBE, MEFF, Market Data, and other BME services, from the nearest location outside the BME main Data Centre.

BME Proximity service is provided at IT CORPORATE SOLUTIONS SPAIN/DXC site, located at C/ José Echegaray, 8, Las Rozas, Madrid, 28232, around 10 kms in fibre from BME main Data Centre.

The BME Proximity site is connected to the BME main Data Centre by means of 2 x 1 Gbps optical fiber lines.

The latency from the BME Proximity site to the Exchange Host is 83 microseconds.

BME Proximity services is managed by BME Market Data S.A., a 100% subsidiary of Bolsas y Mercados Españoles.

2. BME MARKETS AND SERVICES

Entities located at the BME Proximity site may have access to the following BME markets/services, subject to obtaining the corresponding authorization from the respective market/service:

- STOCK EXCHANGES (SIBE-SMART PLATFORM)
- MEFF
- BME MARKET DATA
- OTHER BME SERVICES

3. AUTHORIZED ENTITIES

Any Entity willing to rent space at BME Proximity site should fulfil by itself any of the requirements indicated below, or provide housing services to entities (Entities' Clients) that fulfil any of these requirements:

a. Stock Exchanges (SIBE-SMART PLATFORM)

- Member of one of the Spanish Stock Exchanges.
- Has an agreement with a Member of any of the Spanish Stock Exchanges, a Certified Application to trade in SIBE SMART and has the corresponding authorizations from BME to have access to this market.



b. Derivatives Market, MEFF

- Member of the Official Secondary Market for Futures and Options (MEFF) and may connect directly to MEFF.
- MEFF authorized Application Service Provider (ASP) to access the MEFF trading system.

c. BME Market Data

The Entity and/or the Entity's Client represents that has been duly authorised by BME Market Data to receive the corresponding information service.

d. Other

The Entity and/or the Entity's Client represents that it is a client of other BME service.

4. HOUSING AT THE DATA CENTRE:

Entities have the following rack options:

- Complete standard rack, 60x100 cm, 2x 220V
- Half standard rack, 60x100 cm 1x 220V

Power supply options are:

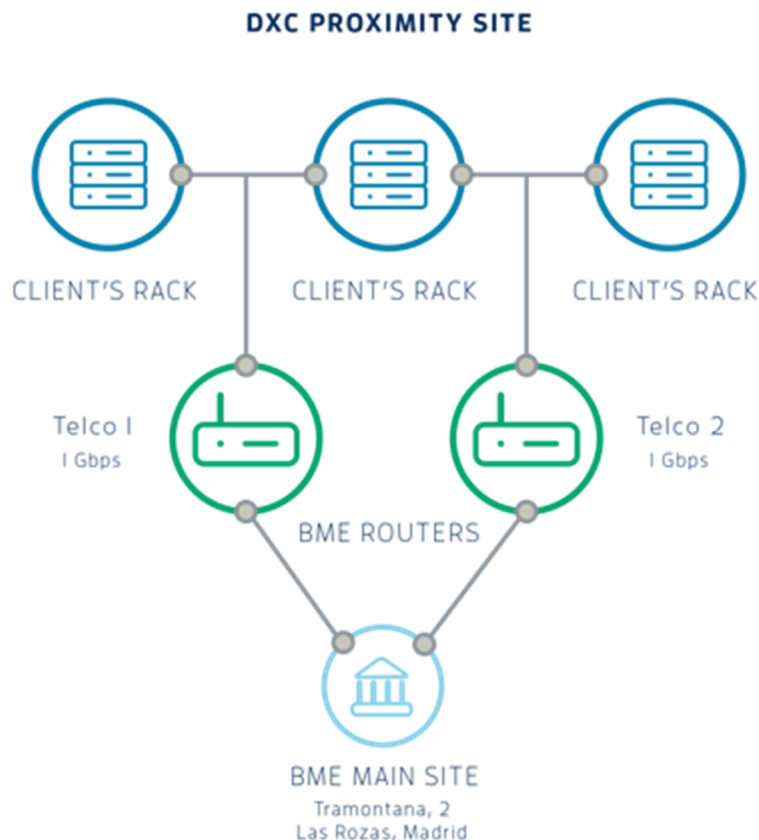
- 2 x 16A (3,6 kVA max)
- 2 x 25A (5 kVA max)
- 2 x 32A (7,2 kVA max)

BME shall assign the Entity, among the resources that DXC has placed at its disposal at the aforementioned Data Centre, the space and features indicated by the Entity, and confirmed by BME, in the BME Proximity order form.

5. CONNECTION TO BME FROM THE PROXIMITY SITE:

Connection with BME infrastructure installed at the Proximity site is performed in copper.

Entities may choose among different port bandwidths for their access to BME, namely 10 Mb, 100 Mb and 1 Gbps port



6. EQUIPMENT INSTALLATION:

The Entity, or any third party it may designate subject to the prior approval of BME, will be responsible for the Entity's equipment installation. Entities are required to start with the installation of the equipment not later than 6 days following the delivery thereof at the DC.

BME will not be responsible for installing the Equipment of the Entity.



7. TECHNICAL SUPPORT

“BRS Spain” team provides Entities with technical support at BME Proximity site, namely Basic Operations and Additional Interventions.

Any request for technical support should be sent to the following email addresses:

brs_spain@dxc.com and BMEProximity@grupobme.es

BME Proximity requires the appointment of a Coordinator to authorise the persons that may have access to perform tasks related to the Equipment, and/or request technical support (Authorized Individual). In this sense, BME Proximity Order Form should clearly identify the Coordinator, the Authorized Individuals, and their corresponding rights. Entities are required to maintain the list of Authorized Individuals up to date.

BRS Spain Team is available at the telephone number +34 902 362 160, between 8:00 and 18:00 (local time). No action will be taken unless an e-mail has been received with clear details on the action to be taken. Requests need to be submitted by the Coordinator or by the Authorized Individual named by this Coordinator.

In the event of requiring urgent support to address technical issues, the person requesting the technical support must be an Authorized Individual. BRS Spain Team contact details in this case are the same as for ordinary matters: +34 902 362 160.

The Coordinator and/or the Authorized Individual should identify themselves as BME Proximity customers and should indicate the purpose of the call together with the following details:

- Name of the Company
- First and Second name of the Authorized Individual
- Contact phone Number

The BRS Spain will check the data provided by the Authorized Individual and call him/her back to the number provided as soon as possible.

For these kind of activities, access to the facilities will be granted to the Authorized Individual within the maximum response time of 1 hour, when requests for support are received on a working day between 07:00 and 18:00, and within 2 hours when request for support is received on public holidays or outside the working hours indicated above. The Authorized Individual may remain within the Data Centre for as long as necessary until the problem has been resolved.

As long as they remain at the premises, Authorized Individuals must be accompanied at all times by a member from BRS Spain team.

Entities raising an issue should clearly identify their Rack ID, Equipment and the rack U in which the equipment is located. This is very important to receive prompt support. Entities should make sure they have all their equipment labelled and that the rack layout is maintained updated after new installations.

Inbound shipments, subject to prior notification, are accepted, between 8:00 and 17:00. Shipments should be sent to the attention of “BRS Team” to the address indicated at the beginning of this document.

a) Basic Operations

These Operations comprise basic work orders issued by Coordinators/Authorized Individuals to the operators of BRS Spain Team as detailed below:

- Physical activation and shut-down of the Equipment.
- External verification and checking of the Entity’s Equipment, leds, display messages, etc.
- Management of access to the DPC, accompanying Authorised Individuals in each intervention.
- Review and verification of network cabling.

The service shall include 20 hours of Basic Operations per year for each Entity (“hands and eyes”) during business hours. Free hours of Basic Operations not used within the mentioned period shall not be carried forward to future years.

b) Additional interventions

In addition to the Basic operations, other work orders planned in advance may be carried out at the request of the Coordinator/Authorized Individuals, including:

- Periodically programmed tasks
- Equipment/Cabling Installations or modifications.

These work orders shall be programmed at least 48 hours in advance. Activities to be carried out at weekends or on public holidays shall be authorized and planned at least one week in advance.

Connections to BME services shall be made on Wednesdays between 22:00 and 23:00 hours.

8. FEES

a) Housing

- One Rack (42 Us): EUR 1,433.53 per month
- Half a Rack (21 Us): EUR 855.99 per month

In both cases, the prices include, respectively:

- 2 x 220V-16 A (3,6 kVA max) when renting a full rack
- 1 x 220V-16 A, when renting half rack.

Additional power supply:

- 1 x 220V-16 A: EUR 188.73 per month
- 2x 25 A (5 kVA max): EUR 196.98 per month
- 2x 32 A (7,2 kVA max): EUR 350.65 per month

The service includes 20 hours/year of Basic Operations (remote Hands & Eyes) during business hours.

b) Rack Installation fee: EUR 2,165.77 (one-off fee)

c) Cross connect fees:

One-off fees for this service depend on the following three factors: distance from end to end, type of cabling and the time when the connection can be done (mostly out of market hours).

d) Costs related to the connection to MEFF/SIBE:

Access to SIBE: EUR 2,213.21 per month
 Access to MEFF: EUR 569.65 per month

e) Communication costs:

Ports are allocated to the Entity for each of its own authorized service (SIBE SMART, MEFF, MARKET DATA, OTHER).The Entity may choose among the following bandwidth options:

- 10 Mb port: EUR 912.20 per month.
- 100 Mb port: EUR 1,597.51 per month.
- 1 Gb port: EUR 1,992.50 per month

In case the Entity provides housing services to Clients, separate connections will be set up for each Client/Service.

f) Access to Colo Site:

Entities have the option to connect from BME Proximity to entities located at BME Co-Location Service. For this purpose, a specific network configuration is set up.

- Set up fee: EUR 1,546.98 (one-off) for establishing the connection for up to 6 Entities.
- Communication costs: as per the monthly fees stated above.
- Fee for the access to Colo Site: EUR 1,885.25 per month per connection.

g) H&E and Additional Interventions:

Technical support services fees (*):

		H&E	ADDITIONAL INTERVENTIONS
	TIME FRAME	FEE PER HOUR	
Working Days	08:00 to 18:00 (**)	38.00 €	57.00 €
Working Days	18:00 to 24:00	63.60 €	79.50 €
Week-end and public holidays	08:00 to 24:00	81.25 €	82.81 €
All days	24:00 to 8:00	91.25 €	98.44 €

(*) Cabling and materials shall be quoted separately

(**) Outside this timeframe, an additional H&E hour fee shall apply for the time required for the engineer to be onsite.

Invoicing for the racks will commence from the moment such racks are provided, following the arrival of the Entity's Equipment to the facilities. This will be deemed to occur when the Entity Equipment arrives to the corresponding DPC, irrespective of when such Equipment is effectively installed and started up.

Invoicing for technical support Services, as well as for any other charges for services required and authorized by the Entity, shall start once the service has been provided.

9. DXC Data Center description:

- Data Centre Space: 150 sq. m
- Distance from Client racks to BME infrastructure at BME Proximity: between 12 and 17 m.
- Electrical power supply: power lines with a power generator as back-up (800 kVa).
- Electrical distribution network: Two UPS (N+N) distribute the electrical current to the various systems located within the centre.
- Floor strength: 2400 kg/m² with raised access flooring. 500 kg/m² without raised access flooring.
- Cooling system: 8 air cooling modules in the technical area (400 kWx cooling capacity)
- Modules backed up by power generator.
- Cooling capacity: average cooling capacity in the technical area amounts to 3.86 kW. per rack.
- Room temperature: 22°C +/- 2°C
- Relative air humidity: between 40% and 60%.
- Fire protection: RF 60 fire doors and walls.
- Smoke and fire detectors mounted on the floor and ceiling.
- Three detection levels (smoke, fire and high temperature).
- Detection system connected directly to the central alarm room.
- Gas fire-fighting system.
- Security: hidden and unmarked areas.
- Strict access control.
- 24x7 active and passive surveillance.
- Security pass access with different security clearance levels.
- Automatic recording of arrival and departure times to/from the centre.
- Access controlled by closed circuit video.
- Names of visitors to the centre registered manually.
- Operational services: performance of basic operational tasks.
- Additional services as described below, as well as Access.
- Maintenance service: the centre has its own maintenance staff.
- Daily cleaning service.
- Network infrastructure: Separate Telecoms Area.
- Centre with structured UTP wiring, category 6.
- WAN connectivity.
- Multiple suppliers: COLT, TELEFONICA, LEVEL 3, ONO-VODAFONE, BT. Carrier racks located at 15m from BME rack, and around 25/30m from the Client racks.
- Multiple services: RTC, RDSI, FR, X25, MetroLAN, LanLink, etc.
- Access control security passes issued for clients visiting the Centre