Policy Guide

January 2018

Exchange Hosting - MILAN

Exchange Hosting Service Policy Description

1.0 Introduction

Borsa Italiana SpA (the "Exchange") launched the Exchange Hosting service in 2010, providing co-location and associated support services to customers. The Exchange Hosting service provides cabinet space, power, cooling and market connectivity to customers in the Milan Primary Data Centre, in addition to associated services such as time synchronisation feeds and remote hands. This policy document encompasses co-location services relevant to the markets operated by Borsa Italiana SpA as well as EuroTLX. London Stock Exchange plc also operates a hosting service in its London Primary Data Centre and has a separate policy with regard to the provision of co-location services for the markets operated by London Stock Exchange plc, Turquoise Global Holdings Limited and Oslo Bors.

This document, published by the Exchange on its website, provides key policy information relating to the operation of the Exchange Hosting service and the provision of co-location and associated services to customers.

1.1 Document Structure

The document includes information related to the following elements of the service:

- space options and the allocation process;
- facility attributes such as power and cooling;
- access to data, market connectivity and message types;
- latency attributes, including the impact of cable lengths and network equipment;
- telecommunication service to external locations;
- technical support;
- pricing policy of each service;
- conditions for accessing the service, including IT and operational arrangements; and
- descriptions of related products and services.

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2.0   Exchange Hosting Policy

Consistent with MiFID II, the Exchange Hosting Policy details how the Exchange will continuously provide all subscribers, who are accessing the same co-location services, with equivalent conditions of service.

2.1 Space Options and Allocation Process

The Exchange Hosting service operates one area within the Milan Primary Data Center where customer equipment can be installed. Trading participants are able to contract for cabinet space within the space known as BF3SO13. The Exchange endeavours to ensure available space and power meets demand. However, at times of high demand, there may be an extended lead time for space and services to be made available. The Exchange will treat all requests for services on a first come first served basis.

Cabinet Sizes

The Exchange Hosting service makes available to customers cabinets with the following dimensions: 600mm x 1070mm x 42u

The Exchange on-boarding team liaises with each customer to determine their core requirements. Where available customers are offered a choice of available locations and cabinets.

2.2 Facility Services

The facility in which the Exchange Hosting service operates has the following power and cooling attributes:

The Data Centre hall is suitable to facilitate power up to 5kW per cabinet (balanced within the room). The service provides options of 3kW or 5kW to customers within any cabinet. Customers are able to take multiples and mixtures of powered cabinets (subject to availability). Where data centre power usage balance allows, customers are able to exceed 5kW in one cabinet up to a maximum of 7kW if their other cabinet(s) are in close proximity and the average remains below 5kW (subject to written approval from the Exchange). All cabinets are delivered with dual 32amp circuits – customers are able to install their own compliant Power Distribution Units. Customers taking 3kW power may not be able to upgrade if the power for the room has been allocated.

Cooling is available at an 2N redundancy level for this area.

2.3 Market Connectivity and Message Types

The Exchange Hosting service in Milan provides access to the following markets located in the same physical building for all participants:

- Borsa Italiana equity and fixed income markets
- Borsa Italiana IDEM deriviatives markets
- EuroTLX

The service also allows access to the following markets via dedicated links to other London Stock Exchange Group data centres.

- London Stock Exchange
- Turquoise
- Oslo Børs
- MTS

The full range of order message types are available to customers subscribed to the Exchange Hosting service (as appropriate to their membership entitlement). Further technical information on the connectivity element of the service can be found in the Exchange Hosting Service and Technical Description and within the Technical Library part of the website: http://www.borsaitaliana.it/borsaitaliana/gestione-mercati/gestione-mercati.en.htm.

2.4 Service Provision to the Trading and Market Data Services

The Exchange Hosting service is provided to all users under equivalent conditions of service with regard to space, power, cooling, cable length, access to data, market connectivity, technology, technical support and messaging types.

It is important to note that as the Exchange operates a number of highly dynamic markets in which there may be an impact on latency when there are high volumes of incoming orders, the round trip time latency characteristics of messages will vary for all users, whether they are connecting remotely or connecting via the Exchange Hosting service.

2.5 Telecommunication Service to External Locations

The Exchange connects to 3 carrier areas within the Primary Data Centre via structured cabling whereby Carriers who supply services to clients of the Exchange Hosting Service can be connected to collocated cabinets.

The Exchange requests that customers liaise with the accredited carriers to determine the best solution provider for their needs. Once the customer has ordered their circuit with their chosen provider, the customer must provide the demarcation point to the Exchange. The Exchange will install infrastructure to deliver the circuit from the Carrier's point of presence to the customers co-location cabinet. As standard cross connects should be in single mode fibre.

2.6 Technical Support

The Exchange is committed to providing relevant and equal support services to all customers, as required. Two key support groups are available to customers:

- Logical connectivity and market support team; and
- Remote hands team, assisting with physical connectivity and completing hardware intervention support as directed directly by the customer. This service incurs further charges as defined in the price list.

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2.7 Pricing

The Exchange has a standard price list in which the provision of Exchange Hosting and associated services to Trading Participants are detailed. The Exchange has published its price list on the Borsa Italiana Website: http://www.borsaitaliana.it/borsaitaliana/mifid2/mifid2.htm

2.8 IT and Operational Arrangements

The Exchange Hosting service has detailed operational processes for physical access, for deliveries and collections of equipment and for remote hands services, which are applicable to all customers of the service. The process document is available, under appropriate NDA, to new customers looking to take Exchange Hosting services.

2.9 Related Products and Services

The table to the right lists the core and added value services that are available to all customers who subscribe to the Exchange Hosting service.

Product/Service	High Level Description
Cabinet License (Core Service)	Provision of cabinet space, power, cooling, connectivity to trading and market data systems and support services to accommodate site visits, deliveries and collections.
Communications Management Service	Provision of connectivity services between the Carrier Demarcation points and the end Customers cabinet positions
Internal X-connect Services from Trading Participant to Trading Participant	Provision of connectivity between hosted entities within the Borsa Italiana colocation facility.
Additional dedicated connectivity to Trading Venue and Market Data Systems	Provision of additional connectivity to the trading and market data systems
Time Synch Services	Optional Provision of local GPS or PTP precision time services feeds to customers
Remote Hands Service	Provision of physical connectivity, installation and hardware intervention support as directed by the customer.

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3.0 Contact and Further Information

If you require any further information on the Exchange Hosting services please contact us on:

Email: hostingops-milan@lseg.com

Telephone +39 0272 426 909

Manager – Client Connectivity and Market Access
Borsa Italiana SpA
Piazza degli Affari 6, 20123 Milan, Italy

Please find additional information on the Exchange Hosting service in Milan at the following location:

http://www.borsaitaliana.it/borsaitaliana/gestione-mercati/connettivita/connettivita.en.htm