

# BANDWIDTHS AND CONNECTION FEES FOR T7

This factsheet provides an overview of the bandwidths and connection fees for the trading system T7 to connect to Xetra<sup>®</sup>. Following the migration of Xetra to T7 technology, system throughput will increase substantially and therefore bandwidth requirements for Xetra trading participants' network connectivity will need to be adapted. Depending on the type of connectivity to be upgraded and the participants' location, the connectivity upgrade will either be provided at no additional cost or the

connectivity will become significantly cheaper once the new pricing for the new connectivity comes into effect.

## Bandwidths and GUI connections

Xetra will offer various bandwidth options for the MIC and the GUI-channel. The following tables provide a detailed overview of the pricing for the new connectivity and availability of the options by location.

### T7 - Fee per Connection

Service	Bandwidth (Mbit/s)	Fee per Connection (EUR/month)				iAccess
		Co-Location (Equinix)	Leased Line in Tier A <sup>1</sup>	Leased Line in Tier B <sup>2</sup>	Leased Line in Tier C <sup>3</sup>	
Xetra Multi-Interface Channel (MIC)	7	1,500	1,500	1,500	1,500	750 <sup>4</sup>
	80	3,000	4,200	R <sup>5</sup>	R	-
	200	4,000	5,400	R	R	-
Co-Location Market Data Xetra EMDI	10,000	4,500	-	-	-	-
Co-Location Market Data Xetra EOBI	10,000	5,500	-	-	-	-
Co-Location Market Data Xetra EOBI and EMDI	10,000	6,500	-	-	-	-
Co-Location Transaction Xetra ETI/FIX	10,000	4,500	-	-	-	-
Xetra GUI-Channel (in combination with MIC)	1	40	60	100	110	-
	3	110	170	300	340	-
	10	380	600	1,000	1,100	-
	40	1,500	2,300	R	R	-
Xetra GUI via Internet	n/a			500 <sup>6</sup>		
Xetra GUI-only-Channel (on lines without MIC)	7	-	1,500	1,500	1,500	-
	40	-	2,300	R	R	-

<sup>1</sup> Metro areas of Amsterdam, Frankfurt, London, Milan, Paris and Zurich

<sup>2</sup> Austria, France, Germany, Netherlands, Switzerland and UK

<sup>3</sup> Belgium, Denmark, Finland, Ireland, Italy, Luxembourg, Portugal, Spain and Sweden

<sup>4</sup> For Combined Access, the bandwidth of the iAccess connection will be aligned with the bandwidth of the associated leased line.

<sup>5</sup> R: High-bandwidth MIC (80 Mbit/s, 200 Mbit/s) and Xetra-GUI Channel in other locations available upon request (at least respective Tier A connection fee).

<sup>6</sup> GUI connection via Internet is free of charge for participants with a MIC, a GUI-Channel, a 10 Gbit/s connection in Co-Location or if a connection via a service provider is used, otherwise a monthly charge of EUR 500/month applies (per participant, number of open Xetra Trader GUIs not limited).

### Connection via Multi-Member Service Provider

Service	Bandwidth of used Installation (Mbit/s)	Fee per used Installation (EUR/month)		
		Up to 2 Sessions	3 to 6 Sessions	More than 6 Sessions
Connection via Multi-Member Service Provider <sup>7</sup>	7	0	0	0
	80-200	200	400	800
	10,000	400	800	1,600

### Session pricing for Xetra ETI and Xetra FIX Gateway

Xetra will offer a session concept in T7 which is the same as the current concept:

- Xetra ETI will support high frequency and low frequency sessions. In addition ETI back-office sessions will also be supported.
- The new Xetra FIX Gateway will support trading and back-office sessions.

### Session and sessionbased connection T7 trading system

Trading System Usage	Fee (EUR/month)
Xetra ETI Low Frequency Light Session (max. 50 Transactions/Second)	250
Xetra ETI High Frequency Light Session (max. 50 Transactions/Second)	250
Xetra ETI Low Frequency Full Session (max. 150 Transactions/Second)	500
Xetra ETI High Frequency Full Session (max. 150 Transactions/Second)	500
Xetra FIX Trading Session (max. 50 Transactions/Second)	250
Xetra FIX Back Office Session	100
Xetra ETI Back Office Session	100

Participants will receive a monthly rebate of up to a maximum of EUR 1,000 on the total number of sessions purchased.

### Connectivity via Multi-Member Service Providers

For Multi-Member Service Providers, an additional fee of EUR 3,000 per month will be charged.

For each Trading Participant, Multi-Member Service Providers will have to pay a monthly fee of EUR 500 for providing connectivity to Xetra EMDI or Xetra EOBI.

### Start of new T7 Connectivity Pricing

In order to support the successful migration of trading participants and vendors as well as to avoid additional costs for possible redundant infrastructure during the transition phase, the new T7 connectivity pricing will succeed the existing Xetra connectivity pricing with the completion of the migration of instruments to T7 as of 1 July 2017.

Please find more detailed information on the new T7 connectivity portfolio as well as on the upgrade plan in Xetra circular 061/2016 on xetra.com in the Newsroom under Xetra circulars.

### Contacts

Please do not hesitate to contact your Key Account Manager or telephone number +49-(0) 69-2 11-1 16 40 for any questions you may have.

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<sup>7</sup> The participant is charged a fee for each installation of a Multi-Member Service Provider that can be used. The fee is determined by the provided bandwidth and the number of trading sessions registered per installation. If there are already fees paid for MICs, GUI-Channels and connections in Co-Location then no fees up to this amount will be charged for connecting via Multi-Member Service Providers. The connection via a Multi-Member Service Provider which is an affiliated company is exempted from this fee.