

Price List to the Agreement on the technical connection and the utilization of the Trading System of Eurex Deutschland (Connection Agreement), to the Agreement on the technical connection to the Electronic Trading EDP Eurex for a Provider of the Multi-Member-System (Provider Connection Agreement) and to the Agreement on technical connection to the Electronic Trading EDP Eurex for STPIP and QTPIP (STPIP and QTPIP Connection Agreement)

Preamble

This Price List of Eurex Frankfurt AG to the Agreement on the technical connection and the utilization of the Trading System of Eurex Deutschland ("**Connection Agreement**"), the Agreement on the technical connection to the Electronic Trading EDP Eurex for a Provider of the Multi-Member-System ("**Provider Connection Agreement**") and the Agreement on the technical connection to the Electronic Trading EDP Eurex for a Standard Third-Party Information Provider "STPIP" as well as Qualified Third-Party Information Provider "QTPIP" ("**STPIP- and QTPIP Connection Agreement**") and together with the Connection Agreement the "**Connection Agreements**") governs the fees charged by Eurex Frankfurt AG ("**Eurex Frankfurt**") based on the respective General Terms and Conditions for the services specified below. The respectively current version of the Price List forms an integral part of the Connection Agreements.

With the technical connection to the Trading System of Eurex Deutschland, the Trading Member is automatically provided with access to price and order book information of the exchange trading place Eurex Deutschland.

The fees for services under the Connection Agreement are given in section 1, the fees for services under the Provider Connection Agreement are given in section 2 and the fees for services under the STPIP and QTPIP Connection Agreement are given in section 3.

1. Fees for services under the Connection Agreement

1.1 Monthly fees for the technical connection to T7 (connectivity fees)

Connections mentioned in the following table allow Trading Members access to the Trading System of Eurex Deutschland. Tier prices are reference prices only and may vary depending on specific participant locations and technical feasibility.

Eurex Frankfurt provides co-location services with the below mentioned bandwidths. 10 Gbit/s is available in specific co-location rooms (Equinix) only.

Service	Bandwidth (Mbit/s)	Fee per Connection (EUR/month)				
		Leased Line in Equinix FR2 Tier Co-Location	Leased Line in Tier A	Leased Line in Tier B	Leased Line in Tier C	iAccess
Eurex Multi-Interface Channel (MIC)	7	780	780	780	780	520 ^{X1}
	14	1,300	1,300	1,300	1,300	780 ^{X1}
	80	3,120	4,360	6,650	R	-
	260	4,160	5,610	R	R	-
	760	5,200	6,760	R	R	-
Co-Location 2.0 Eurex EMDI ^{X2}	10,000	6,000	-	-	-	-
Co-Location 2.0 Eurex EOBI Futures ^{X2}	10,000	7,200	-	-	-	-
Co-Location 2.0 Eurex EMDI & Eurex EOBI Futures ^{X2}	10,000	8,400	-	-	-	-
Co-Location 2.0 Eurex EOBI Futures & Eurex EOBI Options ^{X2}	10,000	9,000	-	-	-	-
Co-Location 2.0 Eurex EMDI & Eurex EOBI Futures & Eurex EOBI Options ^{X2}	10,000	9,600	-	-	-	-
Co-Location 2.0 Transaction Eurex ETI ^{X3}	10,000	6,000	-	-	-	-
Eurex GUI-Channel (in combination with MIC)	1	40	60	100	110	-
	3	110	170	310	350	
	10	390	620	1,040	1,140	
	40	1,560	2,390	R	R	
Eurex GUI via Internet	n/a	310 ^{X4}				

**Price List to Connection Agreement, Provider
Connection Agreement and STPIP and QTPIP
Connection Agreement**

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Service	Bandwidth (Mbit/s)	Fee per Connection (EUR/month)				
		Leased Line in Equinix FR2 Tier Co-Location	Leased Line in Tier A	Leased Line in Tier B	Leased Line in Tier C	iAccess
Eurex GUI-only-Channel (on lines without MIC)	5	-	780	780	780	-
	10	-	930	1,660	R	
	40	-	2,390	R	R	

Legend	
Equinix FR2 Tier Co-Location	Equinix FR2 – in selected rooms at Equinix; Kruppstr. 121 – 127; 60388 Frankfurt; Germany
Tier A	Metro areas of Amsterdam, Frankfurt, London, Milan, Paris, Zürich, Chicago and New York
Tier B	Germany, France, UK, The Netherlands, Austria, Switzerland and U.S.
Tier C	Hong Kong, Singapore, Belgium, Ireland, Italy, Luxembourg, Sweden, Spain, Portugal, Denmark and Finland
R	Availability of high-bandwidth MIC (80 Mbit/s, 260 Mbit/s and 760 Mbit/s) and Eurex Trader GUI on request.
Other Location	Availability of services in other locations on request.
X1	For Combined Access, the bandwidth of the iAccess connection will be aligned with the bandwidth of the associated leased line.
X2	Connection rebate: the monthly fees for two of all Co-Location 2.0 EMDI/EOBI connections billed to any trading participant or multi-member service provider will be reduced by 750 euros per connection.
X3	Connection rebate: the monthly fees for two Co-Location 2.0 ETI transaction connections billed to any trading participant or multi-member service provider will be reduced by 750 euros per connection.
X4	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 the monthly charge of EUR 310/month applies (per participant, number of open Eurex Trader GUIs not limited)

1.2 Monthly fees for the technical connection via Multi-Member-System Provider

Trading Members can also get access to the Trading System of Eurex Deutschland by a connection via a Multi-Member-System 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-System Provider ^{X1}	7-14	0	260	520
	80-760	260	520	1,040
	10,000	520	1,040	2,080

Legend	
X1	The participant is charged a fee for each installation of a Multi-Member-System 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-System Providers. The connection via a Multi-Member-System Provider which is an affiliated company is exempted from this fee.

1.3 Monthly fees for the usage of the Trading System T7

The following monthly fees are charged for sessions required for trading on the exchange trading place Eurex Deutschland. Monthly fees for ETI and FIX Sessions are rebated up to a maximum of 1,040 € per month and Trading Participant.

Trading System Usage	Fee (EUR/month)
Eurex ETI Low Frequency Light Session (max. 50 Transactions/Second)	260
Eurex ETI High Frequency Light Session (max. 50 Transactions/Second)	
• 1 st to 6 th session per Trading Member	130
• from the 7 th session per Trading Member	260
Eurex ETI Low Frequency Full Session (max. 150 Transactions/Second)	520
Eurex ETI High Frequency Full Session (max. 150 Transactions/Second)	
• 1 st to 6 th session per Trading Member	260
• from the 7 th session per Trading Member	520
Eurex ETI High Frequency Ultra Session (max. 250 Transactions/Second)	780
Eurex FIX Trading Session (max. 50 Transactions/Second)	260
Eurex FIX Back Office Session	100
Eurex ETI Back Office Session	100

1.4 [Deleted]

1.5 Excessive System Usage Fee

Eurex Frankfurt AG charges fees for the excessive system usage following the requirements of § 4 Paragraph 3 of the General Terms and Conditions to the Agreement on the technical connection and the utilization of the Exchange-EDP of Eurex Deutschland (Connection Agreement) and this Number 1.5.

1.5.1 Parameters for the calculation

The transaction limits (which are stipulated in § 4 Paragraph 3 lit. b) of the General Terms and Conditions to the Connection Agreement) shall be calculated under consideration of the tables below

For the limit-type “All Transactions” the following parameters shall be used:

Product Type	Grace Factor	Volume Factor	Non-MM Floor	Spread Quality	MM Base
OSTK FSTK	0.25	50	350,000	0.0	225,000
				0.2	450,000
				0.3	675,000
				0.4	900,000
FINX OFIX FVOL	0.25	50	375,000	0.0	375,000
				0.2	750,000
				0.3	1,125,000
				0.4	1,500,000
OINX	0.25	50	1,500,000	0.0	1,500,000
				0.2	3,000,000
				0.3	4,500,000
				0.4	6,000,000
FBND FINT	0.25	50	300,000	0.0	400,000
				0.2	450,000
				0.3	750,000
				0.4	1,500,000
OFBD OFIT	0.25	50	450,000	0.0	900,000
				0.2	1,350,000
				0.3	2,250,000
				0.4	4,500,000
FCUR	0.25	50	750,000	0.0	2,250,000
				0.2	3,000,000
				0.3	3,750,000
				0.4	4,500,000
OCUR	0.25	50	1,500,000	0.0	2,250,000
				0.2	3,000,000
				0.3	3,750,000
				0.4	4,500,000
New Asset Classes	0.25	50	1,500,000	0.0	1,500,000
				0.2	3,000,000
				0.3	4,500,000
				0.4	6,000,000

A trading participant, acting as liquidity provider who signed the Liquidity Provider Agreement and fulfilled the defined requirements of the so-called Stress Presence Building Block on a day with Stressed Market Conditions, is, according to the General Supplement of the Liquidity Provider Agreement, eligible for an increased MM base by 10% on that day. For all rights and duties of the liquidity provider, the provisions of the Liquidity Provider Agreement apply.

For the limit-type “Standard Orders” the following parameters shall be used:

Product Type	Grace Factor	Volume Factor	Non-MM Floor	Spread Quality	MM Base
OSTK FSTK	0.25	10	45,000	0.0	45,000
				0.2	90,000
				0.3	135,000
				0.4	180,000
FINX OFIX FVOL OINX FCUR OCUR	0.25	10	75,000	0.0	75,000
				0.2	150,000
				0.3	225,000
				0.4	300,000
FBND FINT OFBD OFIT	0.25	10	60,000	0.0	60,000
				0.2	90,000
				0.3	150,000
				0.4	300,000
New Asset Classes	0.25	10	75,000	0.0	75,000
				0.2	150,000
				0.3	225,000
				0.4	300,000

For the limit-type “Transaction without a consecutive market data update” the following parameters are used:

Product Type	Grace Factor	Volume Factor	Non-MM Floor	Spread Quality	MM Base
FSTK	0.25	10	45,000	n/a	n/a
				n/a	n/a
				n/a	n/a
				n/a	n/a
FINX	0.25	10	187,500	n/a	n/a

Product Type	Grace Factor	Volume Factor	Non-MM Floor	Spread Quality	MM Base
				n/a	n/a
				n/a	n/a
				n/a	n/a
FVOL	0.25	10	75,000	n/a	n/a
				n/a	n/a
				n/a	n/a
				n/a	n/a
FBND	0.25	10	150,000	n/a	n/a
				n/a	n/a
				n/a	n/a
				n/a	n/a
FINT	0.25	10	60,000	n/a	n/a
				n/a	n/a
				n/a	n/a
				n/a	n/a
OINX	0.25	10	750,000	n/a	n/a
				n/a	n/a
				n/a	n/a
				n/a	n/a
OFBD OSTK OFIX OFIT	0.25	10	225,000	n/a	n/a
				n/a	n/a
				n/a	n/a
				n/a	n/a
New Asset Classes	0.25	10	75,000	n/a	n/a
				n/a	n/a
				n/a	n/a
				n/a	n/a

Please note the limit type is only applicable to the above listed product types. Parameters are assigned per product based on its unique product type which is published in the product overview on the Eurex website.

The volatility indicator is calculated in a multi-step approach. In the first step the intraday realized variance is calculated as the sum of the squared logarithmic returns, based on 5-

minute price points. Furthermore, the overnight variance is calculated as the squared logarithmic return based on the last price of the previous trading day and the first price of the current trading day. The prices are based on the front month contract of the reference product. The front month contract is replaced with the next contract shortly before expire. This period is called "rollover window". In the second step, the square root of the sum of the intraday realized variance and the overnight variance will be multiplied with 100 and the square root of 30. This term will be called initial volatility indicator. In the final step, the maximum of the initial volatility indicator of the current day and the average of the initial volatility indicators of the last trading days will be calculated. The last trading days for this average calculation is denoted as "averaging window".

Volatility Indicator "All Transactions"					
Product Type	Reference Product	Rollover Window	Averaging Window	Volatility Indicator	Volatility Factor
OSTK FSTK FINX FVOL OINX OFIX	FESX	1	10	0.0	1.0
				8.0	1.5
				12.0	2.0
				20.0	4.0
FCUR OCUR	FCEU	2	10	0.0	1.0
				3.0	1.5
				4.0	2.0
				6.0	4.0
FBND OFBD	FGBL	2	10	0.0	1.0
				3.0	1.5
				5.0	2.0
				10.0	4.0
FINT OFIT	FGBS	2	10	0.0	1.0
				0.5	1.5
				1.0	2.0
				2.0	4.0
New asset classes	FESX	1	10	0.0	1.0
				8.0	1.5
				12.0	2.0
				20.0	4.0

Volatility Indicator "Standard Orders"					
Product Type	Reference Product	Rollover Window	Averaging Window	Volatility Indicator	Volatility Factor
OSTK FSTK FINX FVOL OINX OFIX	FESX	1	10	0.0	1.0
				8.0	1.5
				12.0	2.0
				20.0	4.0
FCUR OCUR	FCEU	2	10	0.0	1.0
				3.0	1.5
				4.0	2.0
				6.0	4.0
FBND OFBD	FGBL	2	10	0.0	1.0
				3.0	1.5
				5.0	2.0
				10.0	4.0
FINT OFIT	FGBS	2	10	0.0	1.0
				0.5	1.5
				1.0	2.0
				2.0	4.0
New asset classes	FESX	1	10	0.0	1.0
				8.0	1.5
				12.0	2.0
				20.0	4.0

Volatility Indicator "Transaction without a consecutive market data update"					
Product Type	Reference Product	Rollover Window	Averaging Window	Volatility Indicator	Volatility Factor
OSTK FSTK FINX FVOL OINX OFIX	FESX	1	10	0.0	1.0
				8.0	1.5
				12.0	2.0
				20.0	4.0
FCUR OCUR	FCEU	2	10	0.0	1.0
				3.0	1.5

Volatility Indicator "Transaction without a consecutive market data update"					
Product Type	Reference Product	Rollover Window	Averaging Window	Volatility Indicator	Volatility Factor
				4.0	2.0
				6.0	4.0
FBND OFBD	FGBL	2	10	0.0	1.0
				3.0	1.5
				5.0	2.0
				10.0	4.0
FINT OFIT	FGBS	2	10	0.0	1.0
				0.5	1.5
				1.0	2.0
				2.0	4.0
New asset classes	FESX	1	10	0.0	1.0
				8.0	1.5
				12.0	2.0
				20.0	4.0

1.5.2 Fee

The fee levels per exceeded transaction depend on the degree of the violation and are defined as follows:

Excessive System Usage Fee per exceeded transaction	With a violation of the transaction limit by
€ 0.05	50%
€ 0.10	50% - 100%
€ 0.25	> 100%

1.6 Maturity

The monthly fee for a connection component according to section 1.1 – 1.4 is charged starting with the calendar month following the technical implementation of the connection.

This applies regardless of whether the Trading Member has already used the connection or has made a functional test.

Connection fees will be charged monthly and become due by the third Business Day of the following calendar month.

Depending on the chosen connection component and the number of connection components chosen, monthly connectivity fees will be charged by Eurex Frankfurt AG.

The grand total of the monthly connection fees will be calculated by the sum of released connections of a Trading Participant, multiplied by the amount of the relevant price per connection component.

1.7 Termination of connection components

The termination of a connection component is possible at the end of a month.

In the event that one or more of the following connection components are terminated at the end of the month, in which the technical implementation was done, the monthly fee for the respective connection component will be, in deviation to the previous paragraph, charged for the calendar month, in which the technical implementation was done:

- Co-Location 2.0 Eurex EMDI
- Co-Location 2.0 Eurex EOBI Futures
- Co-Location 2.0 Eurex EMDI & Eurex EOBI Futures
- Co-Location 2.0 Eurex EOBI Futures & Eurex EOBI Options
- Co-Location 2.0 Eurex EMDI & Eurex EOBI Futures & Eurex EOBI Options
- Co-Location 2.0 Transaction Eurex ETI

This applies regardless of whether the Trading Member or the Multi-Member-System Provider has already used the connection or has made a functional test.

2. Fees for services under the Provider Connection Agreement

2.1 Monthly fees for the technical connection to T7 (connectivity fees)

The connection fees for the technical connection according to section 1.1 are also charged under the Provider Connection Agreement.

2.2 Basis fee for the utilization of the Exchange EDP

For Multi-Member System Provider, an additional basis fee in the amount of EUR 4,000 per month will be charged for the technical connection to the individual interfaces and the utilization of the Exchange-EDP, as well as for the other services pursuant to § 5 paragraph 2 of the General Terms and Conditions to the Provider Connection Agreement of Eurex Frankfurt. The basis fee shall not apply to the Multi-Member-System Providers who are either Trading Participants on the Eurex Exchange or who are connecting only affiliated companies to the Exchange-EDP.

2.3 [Deleted]

2.4. Maturity and termination of connection components

Section 1.6 and 1.7 also apply to the selected connection components under the Provider Connection Agreement.

3. Fees for Standard and Qualified Third-Party Information Provider

3.1 Monthly fees for the technical connection to and usage of T7 (connectivity fees)

The connection fees for the technical connection according to section 1.1 and the fees for the usage of the Trading System T7 according to section 1.3 are also charged under the STPIP and QTPIP Connection Agreement.

3.2 Monthly fees for the usage of the STPIP Connection (STPIP service fee)

In addition to the connection fees according to section 3.1, the technical connection to the individual interfaces and usage of the Electronic Trading EDP Eurex as well as other services according to section 5.2 of the General Terms and Conditions to the STPIP and QTPIP Connection Agreement will be subject to a fee for STPIP depending on the product segment and off-book trade type.

Product segment / Off-book trade type	Block Trade (EUR/month)	Exchange-for-Physicals Index (EUR/month)	Exchange-for-Swaps (EUR/month)	Exchange-for-Physicals Financials (EUR/month)	Flex Trade (EUR/month)	Vola Trade (EUR/month)	Basket TRF (EUR/month)
Equity derivatives	200	n/a	n/a	n/a	50	100	n/a
Equity index derivatives	300	100	n/a	n/a	50	100	n/a
Fixed income derivatives	200	n/a	50	100	50	100	n/a
Total-Return-Futures	100	n/a	n/a	n/a	n/a	n/a	100
FX derivatives	0	0	n/a	n/a	n/a	n/a	n/a

3.3 Monthly fees for the usage of the QTPIP Connection (QTPIP service fee)

In addition to the connection fees according to section 3.1, the technical connection to the individual interfaces and usage of the Electronic Trading EDP Eurex as well as other services according to section 5.2 of the General Terms and Conditions to the STPIP and QTPIP Connection Agreement will be subject to a fee for QTPIP depending on the product segment and off-book trade type.

Product segment / Off-book trade type	QTPIP Block Trade (EUR/month)
Equity derivatives	200
Equity index derivatives	300
Interest rate derivatives	200

3.4 Fee for the System Usage by QTPIP

Eurex Frankfurt AG charges for the system usage by QTPIP an additional volume-dependent transaction fee according to section 2.2 of the appendix 2 (“Special Terms and Conditions for Qualified Third-Party Information Provider”) of the QTPIP Connection Agreement. The transaction fee amounts to EUR 0.02 per traded contract and side.

3.5 Maturity

The monthly fee for a connection component according to section 3.1 in conjunction with section 1.1 and 1.3, for the usage of the STPIP and QTPIP Connection according to section 3.2 and 3.3 and for the System Usage by QTPIP according to section 3.4 is charged starting with the calendar month following the technical implementation of the connection. This applies regardless of whether the Trading Member has already used the connection or has made a functional test.

Connection fees and the fees for the usage of the STPIP and QTPIP Connection will be charged monthly and become due by the third Business Day of the following calendar month.

The fees for the system usage by QTPIP according to section 3.4 are charged monthly and become due three days after invoicing.

3.6 Termination of connection components

The termination of a connection component or of a STPIP or QTPIP Connection is possible at the end of a month.

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