# **EDB**

# **Transaction report 2019**

## **Equities - Shares & Depositary Receipts**

Class of Instrument	Liquidity Band A+B					
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
Virtu Financial Ireland Limited	549300XG5LFGN1IGYC71	39.3	91.9	28.0	72.0	98.9
Instinet Europe Limited	213800MXAKR2LA1VBM44	18.6	86.8	48.4	51.6	98.6
DBS Vickers Singapore PTE Ltd.	549300O3J3YO6S614573	10.1	78.9	91.5	8.5	100.0
Linear Investments Ltd.	213800GNOS9QQ31DCK54	9.7	91.6	33.6	66.4	100.0
1st Capital Management Group GmbH	529900ISPKUVG8HSQD34	7.7	92.2	14.1	85.9	100.0

\*Notice: Securities with no Liquidity Band classification are in this category listed

Class of Instrument	Liquidity Band C+D					
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
M.M.Warburg & CO (AG & Co.)	MZI1VDH2BQLFZGLQDO60	24.6	89.9	58.8	41.2	100.0
Virtu Financial Ireland Limited	549300XG5LFGN1IGYC71	23.9	95.1	25.8	74.2	99.4
Linear Investments Ltd.	213800GNOS9QQ31DCK54	18.6	81.1	46.5	53.5	100.0
1st Capital Management Group GmbH	529900ISPKUVG8HSQD34	15.3	100.0	3.7	96.3	18.5
Instinet Europe Limited	213800MXAKR2LA1VBM44	10.8	89.9	27.2	72.8	86.7



Class of Instrument	Liquidity Band E+F					
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
Virtu Financial Ireland Limited	549300XG5LFGN1IGYC71	32.2	94.2	16.6	83.4	99.4
Linear Investments Ltd.	213800GNOS9QQ31DCK54	21.8	92.7	21.3	78.7	99.7
M.M.Warburg & CO (AG & Co.)	MZI1VDH2BQLFZGLQDO60	19.8	95.1	24.0	76.0	100.0
Instinet Europe Limited	213800MXAKR2LA1VBM44	15.4	98.8	3.8	96.2	60.5
1st Capital Management Group GmbH	529900ISPKUVG8HSQD34	7.7	95.7	7.4	92.6	98.9

#### **Debt Instruments / Bonds**

Class of Instrument	Debt instruments <397 days t	o maturity				
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
Citigroup Global Markets Ltd.	XKZZ2JZF41MRHTR1V493	24.1	100.0	2.4	97.6	100.0
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4IQL9C32	17.6	100.0	6.8	93.2	100.0
DZ Bank AG	529900HNOAA1KXQJUQ27	12.6	100.0	14.3	85.7	100.0
Leonteq Securities AG	ML61HP3A4MKTTA1ZB671	12.6	100.0	83.3	16.7	100.0
Goldman Sachs International	W22LROWP2IHZNBB6K528	6.3	100.0	37.5	62.5	100.0

# **EDB**

Class of Instrument	Debt instruments>397 days to	maturity				
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
1st Capital Management Group GmbH	529900ISPKUVG8HSQD34	17.2	82.4	69.4	30.6	98.8
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4IQL9C32	12.7	93.3	24.8	68.5	100.0
M.M.Warburg & CO (AG & Co.)	MZI1VDH2BQLFZGLQDO60	11.4	83.6	53.3	46.7	100.0
Goldman Sachs International	W22LROWP2IHZNBB6K528	10.2	99.1	29.1	70.9	99.1
Citigroup Global Markets Ltd.	XKZZ2JZF41MRHTR1V493	8.9	100.0	31.0	69.0	100.0

#### **Interest Rate Derivates**

Class of Instrument	Interest rate derivates / Futur	es and options				
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
M.M.Warburg & CO (AG & Co.)	MZI1VDH2BQLFZGLQDO60	95.7	100.0	4.5	95.5	100.0
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4IQL9C32	4.3	77.8	22.2	77.8	100.0



#### **Credit Derivates**

Class of Instrument	Credit Derivates					
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
-	-	-	-	-	-	-

#### **Currency Derivates**

Class of Instrument	Currency Derivates / Futures	and Options				
Notification if <1 average trade per	Yes					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4IQL9C32	100.0	100.0	0.0	100.0	100.0

Class of Instrument	Currency Derivates / Swaps, F	orwards and other Derivates				
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
M.M.Warburg & CO (AG & Co.)	MZI1VDH2BQLFZGLQDO60	86.3	100.0	0.0	100.0	100.0
Commerzbank AG	851WYGNLUQLFZBSYGB56	11.8	100.0	0.0	100.0	100.0
Unicredit Bank AG	2ZCNRR8UK83OBTEK2170	1.9	100.0	0.0	100.0	100.0



#### **Credit Derivates and Equity Derivates**

Class of Instrument	Structured Finance Instrumen	ts				
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
-	-	-	-	-	-	-

Class of Instrument	Equity Derivates / Futures and	Options				
Notification if <1 average trade per	Nein					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
M.M.Warburg & CO (AG & Co.)	MZI1VDH2BQLFZGLQDO60	86.6	100.0	34.8	65.2	100.0
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4IQL9C32	13.4	91.2	18.0	82.0	100.0



#### **Securitised Derivates**

Class of Instrument	Securitised Derivates					
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
-	-	-	-	-	-	-
Class of Instrument	Warrants and Certificates					
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
M.M.Warburg & CO (AG & Co.)	MZI1VDH2BQLFZGLQDO60	33.0	95.9	45.3	54.7	100.0
Baader BANK AG	529900JFOPPEDUR61H13	11.5	100.0	60.0	40.0	100.0
Commerzbank AG	851WYGNLUQLFZBSYGB56	9.3	100.0	30.9	69.1	100.0
Flow Traders B.V.	549300CLJI9XDH12XV51	7.1	100.0	0.0	100.0	100.0
Deutsche Bank AG	7LTWFZYICNSX8D621K86	6.8	100.0	52.0	48.0	100.0



#### **Commodity Derivates**

Class of Instrument	Commodity derivates / Future	nmodity derivates / Futures and Options						
Notification if <1 average trade per	N/A							
business day in the previous year								
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage		
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed		
order)		that class	class	orders	orders	orders		
-	-	-	-	-	-	-		

Class of Instrument	Commodity Derivates / Others					
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
-	-	-	-	-	-	-



### **Contracted for differences and Exchange Traded Products (Funds, ETF)**

Class of Instrument	Contract for Differences					
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
-	-	-	-	-	-	-

Class of Instrument	Exchange traded products (Fu	inds and ETF)				
Notification if <1 average trade per						
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
Flow Traders B.V.	549300CLJI9XDH12XV51	39.5	100.0	0.0	100.0	100.0
Commerzbank AG	851WYGNLUQLFZBSYGB56	26.7	100.0	0.3	99.7	100.0
Unicredit Bank AG	2ZCNRR8UK83OBTEK2170	18.1	100.0	0.0	100.0	100.0
Marcard, Stein und Co AG	529900CK14SGH0EXOB27	4.9	98.0	0.0	100.0	100.0
Deutsche Bank AG	7LTWFZYICNSX8D621K86	4.8	100.0	0.0	100.0	100.0



#### **Emission Certificates**

Class of Instrument	Emission Certificates					
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
-	-	-	-	-	-	-

Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
-	-	-	-	-	-	-

## **Contracted for differences and Exchange Traded Products (Funds, ETF)**

Class of Instrument	Exchange traded products (Fu	inds and ETF)				
Notification if <1 average trade per						
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
Flow Traders B.V.	549300CLJI9XDH12XV51	41.5	99.5	0.5	99.5	98.5
Commerzbank AG	851WYGNLUQLFZBSYGB56	40.6	98.9	1.6	98.4	99.7
Unicredit Bank AG	2ZCNRR8UK83OBTEK2170	7.6	100.0	0.0	100.0	100.0
BNP Paribas	529900JFOPPEDUR61H13	4.3	100.0	0.0	100.0	100.0
M.M.Warburg & CO (AG & Co.)	MZI1VDH2BQLFZGLQDO60	2.5	93.3	30.6	69.4	83.7



#### **Emission Certificates**

Class of Instrument	Emission Certificates					
Notification if <1 average trade per	N/A					
business day in the previous year						
Top five execution venues ranked in	LEI	Proportion of volume traded	Proportion of orders executed	Percentage	Percentage of	Percentage
terms of trading volumes (descending		as a percentage of total in	as percentage of total in that	of passive	aggressive	of directed
order)		that class	class	orders	orders	orders
-	-	-	-	-	-	-