

MiFID II – RTS 28 – Publication concerning transaction execution quality related year 2022

RETAIL CLIENTS

Table 1

Class of Instrument	(a) Equities – Shares & Depositary Receipts (Domestic shares) (i) Tick size liquidity bands 5 and 6 (from 2 000 trades per day)				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XBUD	79%	71 %	60%	40%	0%
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(a) Equities – Shares & Depositary Receipts (Domestic shares) (ii) Tick size liquidity bands 3 and 4 (from 80 to 1 999 trades per day)				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XBUD	19 %	64 %	69 %	31 %	0%
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(a) Equities – Shares & Depositary Receipts (Domestic shares) (iii) Tick size liquidity band 1 and 2 (from 0 to 79 trades per day)				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XBUD	3 %	56 %	75 %	25 %	0%
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(a) Equities – Shares & Depositary Receipts (International shares)				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XETR	26 %	73 %	100%	0%	0 %
XNYS	21 %	72 %	100%	0%	0 %
XWBO	18 %	77 %	100%	0%	0 %
XNGS	13 %	74 %	100%	0%	0 %
XAMS	8 %	89 %	100%	0%	0 %

Class of Instrument	(b) Debt instruments (ii) Bonds				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XXXX	78 %	99 %	50 %	50 %	0%
XOFF	22 %	96 %	75 %	25 %	0%
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(b) Debt instruments (ii) Money markets instruments				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(c) Interest rates derivatives (i) Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(c) Interest rates derivatives (ii) Swaps, forwards, and other interest rates derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XXXX	100 %	100 %	100 %	0%	0%
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(d) Credit derivatives (i) Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(d) Credit derivatives (ii) Other credit derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(e) Currency derivatives (i) Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XBUD	100 %	100 %	100 %	0%	0%
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(e) Currency derivatives (ii) Swaps, forwards, and other currency derivatives				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XXXX	95 %	100 %	100 %	0%	0%
BMTF	5 %	100 %	100 %	0%	0%
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(f) Structured finance instruments				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XXXX	100 %	100 %	100 %	0%	0%
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(g) Equity Derivatives i) Options and Futures admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XBUD	100%	100 %	100 %	0%	0%
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(g) Equity Derivatives ii) Swaps and other equity derivatives Options and Futures admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(h) Securitized Derivatives (i) Certificate Derivatives				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
OTC	51 %	100 %	100%	0%	0 %
XWBO	27 %	85 %	100%	0%	4,83 %
XRCB	8 %	94 %	100%	0%	20,37 %
ORCB	6 %	90 %	100%	0%	28,2 %
XBUD	6 %	81 %	100%	0%	0 %

Class of Instrument	(h) Securitized Derivatives (ii) Other securitized derivatives - Warrants				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(i) Commodities derivatives and emission allowances Derivatives (i) Options and Futures admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	I				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
EXC	100 %	100 %	100 %	0%	0%
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(i) Commodities derivatives and emission allowances Derivatives (ii) Other commodities derivatives and emission allowances derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(j) Contracts for difference				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(k) Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XLON	50 %	78 %	100%	0%	0 %
XETR	37 %	85 %	100%	0%	0 %
XOFF	5 %	88 %	100%	0%	0 %
XFRA	2 %	1 %	100%	0%	0 %
MTAA	2 %	67 %	100%	0%	0 %

Class of Instrument	(l) Emission allowances				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(m) Other instruments				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XXXX	100 %	100 %	0%	100%	0%

PROFESSIONAL CLIENTS

Table 2

Class of Instrument	(a) Equities – Shares & Depositary Receipts (Domestic shares) (i) Tick size liquidity bands 5 and 6 (from 2 000 trades per day)				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XBUD	82 %	100 %	100 %	0 %	0 %
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(a) Equities – Shares & Depositary Receipts (Domestic shares) (ii) Tick size liquidity bands 3 and 4 (from 80 to 1 999 trades per day)				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XBUD	18 %	100 %	100 %	0 %	0 %
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(a) Equities – Shares & Depositary Receipts (Domestic shares) (iii) Tick size liquidity band 1 and 2 (from 0 to 79 trades per day)				
Notification if < 1 average trade per business day in the previous year	Y/N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(a) Equities – Shares & Depositary Receipts (International shares)				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XLON	72 %	96 %	100 %	0 %	0 %
XETR	18 %	100 %	100 %	0 %	0 %
XNGS	4 %	100 %	100 %	0 %	0 %
XNYS	3%	100 %	100 %	0 %	0 %
XWBO	3%	100 %	100 %	0 %	0 %

Class of Instrument	(b) Debt instruments (i) Bonds				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XOFF	100 %	100 %	100 %	0 %	0 %
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(b) Debt instruments (ii) Money markets instruments)				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(c) Interest rates derivatives (i) Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(c) Interest rates derivatives (ii) Swaps, forwards, and other interest rates derivatives				
Notification if < 1 average trade per business day in the previous year	I				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XXXX	100 %	100 %	100 %	0 %	0 %
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(d) credit derivatives (i) Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(d) credit derivatives (ii) Other credit derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(e) currency derivatives (i) Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XBUD	100%	100%	100%	0%	0%
Name and Venue Identifier (MIC or LEI)			N/A	N/A	N/A
Name and Venue Identifier (MIC or LEI)			N/A	N/A	N/A
Name and Venue Identifier (MIC or LEI)			N/A	N/A	N/A
Name and Venue Identifier (MIC or LEI)			N/A	N/A	N/A

Class of Instrument	(e) currency derivatives (ii) Swaps, forwards, and other currency derivatives				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
MTF	50 %	100 %	100 %	0 %	0 %
XXXX	35 %	100 %	100 %	0 %	0 %
OTF	16 %	100 %	100 %	0 %	0 %
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(f) Structured finance instruments				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XXXX	100 %	100 %	100 %	0 %	0 %
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(g) Equity Derivatives i) Options and Futures admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XBUD	100 %	100 %	100 %	0 %	0 %
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(g) Equity Derivatives ii) Swaps and other equity derivatives Options and Futures admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(h) Securitized Derivatives (i) Certificate Derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(h) Securitized Derivatives (ii) Other securitized derivatives- Warrants				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(i) Commodities derivatives and emission allowances Derivatives (i) Options and Futures admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
EXC	100 %	100 %	100 %	0 %	0 %
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(i) Commodities derivatives and emission allowances Derivatives (ii) Other commodities derivatives and emission allowances derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(j) Contracts for difference				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(k) Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	(l) Emission allowances				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Name and Venue Identifier (MIC or LEI)	0	0	0	0	0
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

Class of Instrument	(m) Other instruments				
Notification if < 1 average trade per business day in the previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XXXX	100 %	100 %	0 %	100 %	0 %
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					
Name and Venue Identifier (MIC or LEI)					

RETAIL and PROFESSIONAL CLIENTS

Table 3

Class of Instrument	Securities finance	
Notification if < 1 average trade per business day in the previous year	Y	
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class
XOFF	100 %	100 %
Name and Venue Identifier (MIC or LEI)		
Name and Venue Identifier (MIC or LEI)		
Name and Venue Identifier (MIC or LEI)		
Name and Venue Identifier (MIC or LEI)		

Publication concerning transaction execution quality related year 2022
 Top five execution venues ranked in terms of trading volumes (descending order)

Class of Instrument	(a) Equities – Shares & Depositary Receipts (International shares)
Notification if < 1 average trade per business day in the previous year	N
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class
KNIGHT CAPITAL EUROPE LTD	45 %
RAIFFEISEN BANK INTERNATIONAL AG	29 %
BAADER BANK AG.	25 %