

## Annual Best Execution Disclosure 2023 according to MiFID II RTS 28

## Top five execution venues for retail clients

Class of Instrument	Equities - Shares 8	& Depositary Receipt	ts				
Notification if <1 average							
trade per business day in the previous year	No						
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 or- ders	Percentage of directed orders		
SIX Swiss Exchange	92.60 %	87.05 %	41.48 %	58.52 %			
Xetra (XETR)	1.92 %	2.99 %	51.67 %	48.33%			
NYSE Euronext	1.72 %	4.53 %	51.59 %	48.41%			
NASDAQ	1.25 %	2.33 %	51.65 %	48.35 %			
TSX Toronto Stock Exchange	0.76 %	0.40 %	62.14 %	37.86 %			



Class of Instrument	Debt instruments				
Notification if <1 average					
trade per business day in the	No				
previous year					
Top five execution venues ranked in terms of trading	Proportion of volume traded as	Proportion of orders executed	Percentage of passive orders	Percentage of aggressive or-	Percentage of directed orders
volumes (descending order)	a percentage of total in that class	as percentage of total in that class		ders	
Zurcher Kantonalbank Securities Exchange (ZKBX)	44.91%	14.75 %	-	100.00 %	
SIX Swiss Exchange (XSWX)	32.75 %	30.33 %	24.32 %	75.68 %	
XTR Xtrakter (XCOR)	22.34 %	54.92 %	4.48 %	95.52 %	



Class of Instrument	Structured finance	instruments			
Notification if <1 average					
trade per business day in the	No				
previous year					
Top five execution venues	Proportion of	Proportion of	Percentage of	Percentage of	Percentage of
ranked in terms of trading	volume traded as	orders executed	passive orders	aggressive or-	directed orders
volumes (descending order)	a percentage of	as percentage of		ders	
	total in that class	total in that class			
SIX Swiss Exchange, Structured Products (XQMH)	88.09 %	52.73 %	96.55 %	3.45 %	
HSBC Private Bank in Paris	6.71%	16.36 %	-	100.00 %	
UBS Investment Bank in London	1.23 %	3.64 %	-	100.00 %	
London Stock Exchange SETS	1.16 %	14.55 %	100.00 %	-	
Citigroup Global Markets Ltd (Realtime)	1.02 %	3.64 %	-	100.00 %	



Class of Instrument	Securitized derivat	ives			
Notification if <1 average trade per business day in the previous year	No				
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 or- ders	Percentage of directed orders
Euwax	64.27 %	55.13 %	41.86 %	58.14 %	
SIX Swiss Exchange (XSWX)	32.54 %	42.31 %	90.91 %	9.09%	
Boerse Frankfurt Zertifikate AG	3.19 %	2.56 %	50.00 %	50.00 %	



Class of Instrument	Commodities deriv	Commodities derivatives and emission allowances derivatives				
Notification if <1 average trade per business day in the previous year	No					
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 or- ders	Percentage of directed orders	
UBS Investment Bank, Com- modities and Forex (UBSF)	100.00 %	100.00 %	-	100.00 %		



Class of Instrument	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	No					
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 or- ders	Percentage of directed orders	
SIX Swiss Exchange (XSWX)	87.72 %	97.73 %	57.38 %	42.62 %		
Credit Suisse	8.93%	0.83 %	4.17 %	95.83%		
Banque Cantonale Vaudoise	2.76%	0.16 %	87.40 %	12.60 %		
Bank J. Safra Sarasin AG	0.12%	0.03 %	66.67 %	33.33 %		
Pictet & Cie Luxemburg	0.08%	0.26 %	33.33 %	66.67 %		



Class of Instrument	Exchange traded products (options and futures)					
Notification if <1 average trade per business day in the previous year	No					
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 or- ders	Percentage of directed orders	
Eurex Deutschland	100.00 %	100.00 %	54.55 %	45.45 %		



## Top five execution venues for professional clients

Class of Instrument	Equities - Shares &	& Depositary Receipt	ts		
Notification if <1 average trade per business day in the previous year	No				
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 or- ders	Percentage of directed orders
SIX Swiss Exchange (XSWX)	61.65 %	62.25 %	41.24 %	58.76 %	
NASDAQ	11.59 %	6.04 %	42.36 %	57.64 %	
NYSE Euronext	10.98 %	10.56 %	45.29 %	54.71 %	
Xetra (XETR)	7.31 %	11.47 %	46.34 %	53.66 %	
Euronext - Paris	3.85 %	4.44 %	44.80 %	55.20 %	



Class of Instrument	Debt instruments					
Notification if <1 average trade per business day in the previous year	No					
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 or- ders	Percentage of directed orders	
XTR Xtrakter (XCOR)	82.24 %	50.80 %	21.93%	78.07 %		
SIX Swiss Exchange (XSWX)	10.55 %	44.24%	28.39 %	71.61%		
Zurcher Kantonalbank Securities Exchange (ZKBX)	3.45 %	3.06 %	1.30 %	98.70 %		
GOVPX NY	2.16 %	0.48 %	4.92 %	95.08 %		
Deutsche Boerse AG	0.63 %	0.21 %	7.69 %	92.31 %		



Class of Instrument	Structured finance	instruments					
Notification if <1 average trade per business day in the	No	No					
previous year							
Top five execution venues	Proportion of	Proportion of	Percentage of	Percentage of	Percentage of		
ranked in terms of trading	volume traded as	orders executed	passive orders	aggressive or-	directed orders		
volumes (descending order)	a percentage of	as percentage of		ders			
	total in that class	total in that class					
SIX Swiss Exchange, Structured Products (XQMHI)	23.75 %	27.06 %	38.07 %	61.93%			
HSBC Private Bank in Paris	14.84 %	12.65 %	2.70 %	97.30 %			
Leonteq Securities AG	14.39 %	7.52 %	27.27 %	72.73%			
Bank Julius Baer	10.34 %	8.89 %	0.96 %	99.04 %			
SIX Swiss Exchange	6.26 %	0.64 %	46.67 %	53.33 %			



Class of Instrument	Equity derivatives				
Notification if <1 average					
trade per business day in the	No				
previous year					
Top five execution venues	Proportion of	Proportion of	Percentage of	Percentage of	Percentage of
ranked in terms of trading	volume traded as	orders executed	passive orders	aggressive or-	directed orders
volumes (descending order)	a percentage of	as percentage of		ders	
	total in that class	total in that class			
Eurex Deutschland (XEUR)	98.27 %	93.10 %	61.42 %	38.58 %	
OPRA Options Pricing Regulatory Authority	1.45 %	6.04 %	68.57 %	31.43 %	
The Montreal Exchange / Bourse de Montreal	0.23 %	0.52 %	100.00 %	ı	
Euronext EQF, Equity and Index Derivatives	0.05 %	0.17 %	100.00 %	-	
Euronext Monep	-	0.17 %	100.00 %	-	



Class of Instrument	Securitized derivat	ives				
Notification if <1 average trade per business day in the previous year	No					
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 or- ders	Percentage of directed orders	
UBS Investment Bank, Commodities and Forex	32.28 %	38.86 %	-	100.00 %		
SIX Swiss Exchange	16.51 %	43.14 %	90.08 %	9.92 %		
Tradition, Financial Services for Derivatives	16.16 %	1.07 %	100 %	-		
SIX Swiss Exchange, Structured Products	14.42 %	4.28 %	66.67 %	33.33 %		
Leonteq Securities AG	7.94 %	2.50 %	-	100.00 %		



Class of Instrument	Commodities derivatives and emission allowances derivatives						
Notification if <1 average trade per business day in the previous year	No						
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 or- ders	Percentage of directed orders		
UBS Investment Bank, Commodities and Forex	97.53 %	94.12 %	52.05 %	47.95 %			
DIB	1.18 %	2.43 %	45.83 %	54.17 %			
Forex Rates and Precious Metals	0.33 %	2.23 %	100.00 %	-			
Zurcher Kantonalbank Securities Exchange	0.31%	1.22 %	100.00 %	-			



Class of Instrument	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	No						
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 or- ders	Percentage of directed orders		
SIX Swiss Exchange (XSWX)	60.83%	53.65 %	42.65 %	57.35 %			
Pictet & Cie Luxemburg	9.14%	5.34 %	51.92 %	48.08 %			
London Stock Exchange SETS	7.11%	12.86 %	52.55 %	47.45 %			
Credit Suisse	4.22%	1.16 %	25.48 %	74.52 %			
Deutsche Boerse Xetra ETF	2.76%	6.44 %	55.18 %	44.82 %			