## Best Execution Disclosure 2023

Equities			1				
Confirmation >1 average trade per business day in the previous year	Y						
Venue	LEI	percVolume		percOrders	percPassiveOrders	percAggressiveOrders	percDirectedOrders
Merrill Lynch International	GGDZP1UYGU9STUHRDP48		36.48	33.30	N/A	N/A	10
IEX Exchange	213800WAVVOPS85N2205		19.04	19.12	0	100	10
UBS	EVK05KS7XY1DEII3R011		14.51	15.10	N/A	N/A	10
Goldman Sachs International	W22LROWP2IHZNBB6K528		10.82	11.53	N/A	N/A	10
JP Morgan	8I5DZWZKVSZI1NUHU748		6.88	7.43	N/A	N/A	10
Debt Instruments - Bonds							
Confirmation >1 average trade per business day in the previous year	Y						
Venue	Identification Number	percVolume		percOrders	percPassiveOrders	percAggressiveOrders	percDirectedOrders
XIANGCAI SECURITIES CO., LTD	91430000183800843Q		100	100	N/A	N/A	10
Currency Derivatives - Futures and Options admitted to trading on a trading venue							
Confirmation >1 average trade per business day in the previous year	Y						
Venue	LEI	percVolume		percOrders	percPassiveOrders	percAggressiveOrders	percDirectedOrders
Chicago Mercantile Exchange	EVK05KS7XY1DEII3R011		100	100	100	0	10
	I			1		1	
Equity Derivatives - Options and Futures admitted to trading on a trading venue							
Confirmation >1 average trade per business day in the previous year	Ý						
Venue	LEI	percVolume		percOrders	percPassiveOrders	percAggressiveOrders	percDirectedOrders
Chicago Mercantile Exchange	EVK05KS7XY1DEII3R011		69.44	69.61	100		10
Eurex	529900LN3S50JPU47S06		29.03	29.11	100		10
Goldman Sachs International	W22LROWP2IHZNBB6K528		1.53	1.28	N/A	N/A	10
Commodities derivatives and emission allowances Derivatives - Options and Futures admitt	ed to trading on a trading venue						
Confirmation >1 average trade per business day in the previous year Venue		percVolume		percOrders	percPassiveOrders	percAggressiveOrders	percDirectedOrders
Huatai Futures Co., Ltd	30030014RMGDU7TTSE38		39.52	31.79	N/A		10
Chicago Mercantile Exchange	EVK05KS7XY1DEII3R011		60.48	68.21	100		10
	EVROSKS7XTIDEIISROII		00.48	08.21	100	0	10
Exchange traded products - Exchange Traded Funds							
Confirmation >1 average trade per business day in the previous year	Y						
	Identification Number	percVolume		percOrders	percPassiveOrders	percAggressiveOrders	percDirectedOrders
Venue							

Professional client trades	100%
Retail trades	0%

## Monitoring Analysis Summary

Execution Factors	Venue	Factors	Comments
Client strategies are designed to direct orders to a specific venue	Chicago Mercantile Exchange	Speed, Cost	Venue is preselected by the client based on market characteristics
Client strategies are designed to direct orders to a specific venue	Eurex	Speed, Cost	Venue is preselected by the client based on market characteristics
Client strategies are designed to direct orders to a specific venue	Goldman Sachs International	Speed, Cost	Venue is preselected by the client based on market characteristics
Client strategies are designed to direct orders to a specific venue	Huatai Futures Co., Ltd	Speed, Cost	Venue is preselected by the client based on market characteristics
Client strategies are designed to direct orders to a specific venue	IEX Exchange	Speed, Cost	Venue is preselected by the client based on market characteristics
Client strategies are designed to direct orders to a specific venue	JP Morgan	Speed, Cost	Venue is preselected by the client based on market characteristics
Client strategies are designed to direct orders to a specific venue	Merrill Lynch International	Speed, Cost	Venue is preselected by the client based on market characteristics
Client strategies are designed to direct orders to a specific venue	XIANGCAI SECURITIES CO., LTD	Speed, Cost	Venue is preselected by the client based on market characteristics
Client strategies are designed to direct orders to a specific venue	UBS	Speed, Cost	Venue is preselected by the client based on market characteristics
Conflicts and Close Links	None	]	
		-	
Specific Venue Arrangements	None	]	
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Changes from Policy	None	]	