

# Interactive Brokers (U.K) Limited: Top 5 Venue Annual Report for Year 2019

## **Annual Report on the Execution Quality Obtained on all the Execution Venues Used by Interactive Brokers (U.K.) Limited and the Top Five Venue and Entities for each Instrument Class**

To enable our clients and the public to evaluate the quality of Interactive Brokers (U.K.) Limited ("IBUK")'s execution quality and to identify the top five execution venues in terms of trading volumes where IBUK executed client orders in the preceding year, IBUK publishes information in relation to trading venues, market makers or other liquidity providers or any entity that performs a similar function outside the European Economic Area ("EEA"). The annual report is generally made available on our website by 30 April. The annual report covering year 2019 was published on 26 June 2020.

## **Summary on the Execution Quality Obtained on all the Execution Venues Used by Interactive Brokers (U.K.) Limited**

IBUK provides to its clients self-directed execution-only electronic brokerage services. The orders clients submit to IBUK through the Interactive Brokers Group's ("IB Group") trading platforms are executed by IBUK on their behalf by electronically routing them to markets or dealers using IB Group's proprietary order routing technology ("SmartRouting").

### **Relative Importance of Execution Factors**

SmartRouting takes into account the relative importance of each of the execution factors as depends on:

- the characteristics and the nature of the order, including any specific instructions a client might have given;
- the characteristics of the financial instruments that are the subject of an order; and
- the characteristics of the execution venues (if there is more than one) to which the order can be directed.

IBUK's order execution arrangements do not differ according to client categorisation. The execution factors are applied on a trade-by-trade basis taking into account whether the order is marketable or not. A marketable order is a buy order with a price at or above the lowest offer in the market or a sell order with a price at or below the highest bid in the market.

For marketable orders, the primary execution factor is either total consideration or price, depending on the client's instruction. The total consideration represents the price of the financial instrument and the costs related to execution ("external cost"), which include all expenses incurred by the client which are directly related to the execution of the order, including execution fees, clearing and settlement fees and other fees paid to third parties involved in the execution of the order.

For non-marketable orders, the primary execution factor for clients on a fixed commission structure (which covers all external costs) is likelihood of execution. The primary execution factors for clients on a tiered commission structure (where clients pay for external costs) are typically a blend of cost and likelihood of execution.

Both for marketable and non-marketable orders, the remaining execution factors - order size, nature of the order and any other consideration relevant to the efficient execution of your order - are generally secondary and applied where they may optimise the primary factors.

### **Close links**

Our arrangements for best execution are designed to ensure that IBUK acts in its clients' best interests regardless of any other interests.

Where IBUK routes a client order and relies on a third party to access a venue, this is usually carried out through an IBUK affiliate. Any IBUK affiliate receiving a client order does not levy any additional charge on the client. IBUK's standard charges apply as disclosed without any additional mark-up imposed by IBUK. For certain execution venues, IBUK may rely on a broker outside of the IB Group. For the purposes of execution with respect to the client accounts carried by Interactive Brokers LLC ("IBLLC"), it is IBLLC which decides the order routing and directs the orders to IBUK, IBKR Financial Services AG ("IBKRFS") or another external broker that is a member of an exchange.

IBUK and its affiliate, IBKRFS, have been the liquidity providers for forex contracts for difference ("CFDs") and stock CFDs respectively. Our clients' forex CFD orders are filled at the spot forex rates IBUK obtained on the market and, similarly, for the stock CFDs orders, our clients' CFDs orders are filled at the price of the hedge order in the underlying stock. For Over the Counter ("OTC") products, our clients may utilise the client interface to check the price of the underlying financial instrument. The CFDs price shown to our client is the current market price for the underlying (i.e. market data for CFDs and stocks are identical) and CFDs and stock orders are executed exactly the same way.

### **Venue Selection**

IBUK places significant reliance on automated venues where our SmartRouting can constantly review the bids and offers at each of the available venues and execute at the greatest speed and with the highest level of accuracy and certainty of completion.

After having added Citadel Securities (Europe) Limited to its list of market counterparties in 2018, during 2019, IBUK started routing to additional Systematic Internalisers, Goldman Sachs International, Jane Street Financial Limited, and XTX Markets SAS. Systematic Internalisers fill client orders inside the bid/ask spread and at no execution cost chargeable by the Systematic Internalisers to the client.

In preparation for potential regulatory changes expected to arise from the Brexit negotiation, IBUK's memberships with certain EEA Trading Venues were withdrawn and transferred to IBUK affiliates. IBUK clients retained access to such liquidity centers, as IBUK continues routing orders for execution on these Trading Venues through the relevant affiliate.

### Assessment Summary

<p>An explanation of whether other criteria were given precedence over immediate price and cost when executing retail client orders and how these other criteria were instrumental in delivering the best possible result in terms of the total consideration to the client.</p>	<p>Please refer to the section "Relative Importance of Execution Factors" for details on the execution factors.</p>
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<p>A description of any specific arrangements with any execution venues regarding payments made or received, discounts, rebates or non-monetary benefits received.</p>	<p>Some execution venues may offer differing fee plans to trading members depending on the volume and nature/type of a trading activity on the venue as well as fee discounts depending on average volume of trading undertaken. Such arrangements apply equally to all trading members who satisfy the relevant criteria under the execution venue rules. Information on such arrangements is publicly available on the relevant execution venues' website. IBUK's decision to route orders to a particular venue for execution is determined by whether execution on such venues allows IBUK to satisfy its best execution obligations. Further details on fees structures for all instrument classes are found at the link below: <a href="https://www.interactivebrokers.co.uk/en/index.php?f=39753&amp;p=stocks">https://www.interactivebrokers.co.uk/en/index.php?f=39753&amp;p=stocks</a></p>
<p>An explanation of the factors that led to a change in the list of execution venues listed in the firm's execution policy, if such a change occurred.</p>	<p>Please refer to the section headed "Venue Selection".</p>

<p>An explanation of how order execution differs according to client categorisation, where the firm treats categories of clients differently and where it may affect the order execution arrangements.</p>	<p>IBUK's order execution arrangements do not differ according to client categorisation.</p>
<p>An explanation of how the investment firm has used any data or tools relating to the quality of execution, including any data published under RTS 27:</p>	<p>IBUK collected and reviewed best execution quality statistics.</p> <p>Among other metrics, we:</p> <ul style="list-style-type: none"><li>- used market data available from all venues that we connect to, in order to calculate an aggregated best bid and offer that we further use to measure price improvement and slippage;</li><li>- collected and examined latency data from our routed orders in order to find and correct situations where current statistics deviate from the prior month and 3-month averages;</li><li>- collected and examined volume shifts from one exchange to another and determine the contributing factors to those shifts;</li><li>- collected and examined fill rates for both marketable and non-marketable, and further breakout those statistics into sub-categories that allow us to zero in on potential anomalies;</li><li>- used external trade volume statistics to determine if we can better serve our clients by connecting to venues that we are not currently routing to.</li></ul>

Where applicable, an explanation of how the investment firm has used output of a consolidated tape provider established under Article 65 of MiFID II:	N/A
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## Equities - Shares & Depositary Receipts

### The Top Five Execution Venues to which Client Orders were Routed

#### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 5 AND 6				
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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>London Stock Exchange (XLON)</b>	66.36 %	45.12 %	30.51 %	57.00 %	0.00 %
<b>CBOE Europe (CHIX)</b>	19.54 %	15.44 %	8.23 %	91.77 %	0.00 %
<b>Citadel Securities (Europe) Limited</b>	9.87 %	25.25 %	0.00 %	100.00 %	0.00 %

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 5 AND 6				
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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>(CSEC)</b>					
<b>CBOE Europe (BATE)</b>	4.17 %	5.68 %	6.76 %	93.24 %	0.00 %
<b>Goldman Sachs International (W22LROWP2IHZNBB6 K528)</b>	0.06 %	8.22 %	0.00 %	100.00 %	0.00 %

### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 5 AND 6				
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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>London Stock Exchange (XLON)</b>	56.29 %	15.49 %	53.56 %	40.92 %	100.00 %
<b>Goldman Sachs International (W22LROWP2IHZNBB6 K528)</b>	13.16 %	39.41 %	0.00 %	100.00 %	100.00 %
<b>CBOE Europe (CHIX)</b>	11.07 %	11.14 %	19.94 %	80.06 %	100.00 %
<b>TradeGate (XGAT)</b>	7.07 %	24.01 %	0.00 %	28.23 %	100.00 %
<b>Citadel Securities (Europe) Limited (CSEC)</b>	5.66 %	6.16 %	0.00 %	100.00 %	100.00 %

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients



CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 5 AND 6				
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	N				
TOP FIVE ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	99.49 %	96.68 %	7.06 %	75.65 %	1.67 %
<b>Interactive Brokers LLC (50OBSE5T5521O6SM ZR28)</b>	0.51 %	3.32 %	58.33 %	41.67 %	0.00 %

### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 5 AND 6
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### The Top Five Execution Venues to which Client Orders were Routed

#### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 3 AND 4
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 3 AND 4				
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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>London Stock Exchange (XLON)</b>	80.40 %	36.46 %	45.10 %	48.62 %	100.00 %
<b>Goldman Sachs International (W22LROWP2IHZNBB6 K528)</b>	8.46 %	27.65 %	0.00 %	100.00 %	100.00 %
<b>CBOE Europe (CHIX)</b>	4.48 %	8.71 %	35.42 %	64.58 %	100.00 %
<b>Citadel Securities (Europe) Limited (CSEC)</b>	2.31 %	4.57 %	0.00 %	100.00 %	100.00 %
<b>TradeGate (XGAT)</b>	2.21 %	18.45 %	0.00 %	29.80 %	100.00 %

The Top Five Entities to which Client Orders were Routed

## IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 3 AND 4				
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	N				
TOP FIVE ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>Interactive Brokers LLC</b> (50OBSE5T5521O6SM ZR28)	99.87 %	95.69 %	49.17 %	50.83 %	0.00 %
<b>IBKR Financial Services AG</b> (549300KKMY8XC2HP Z142)	0.13 %	4.31 %	3.45 %	86.21 %	0.00 %

## IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 3 AND 4
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

## The Top Five Execution Venues to which Client Orders were Routed

### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 1 AND 2
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 1 AND 2				
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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>London Stock Exchange (XLON)</b>	81.80 %	51.31 %	38.38 %	39.28 %	100.00 %
<b>Raiffeisenbank AO (2534006HF1L4YF10UD91)</b>	15.37 %	3.13 %	0.00 %	64.30 %	100.00 %
<b>TradeGate (XGAT)</b>	1.64 %	30.73 %	0.00 %	30.34 %	100.00 %
<b>Warsaw Stock Exchange (XWAR)</b>	0.57 %	3.40 %	49.17 %	40.88 %	100.00 %
<b>CBOE Europe (CHIX)</b>	0.23 %	4.24 %	27.99 %	72.01 %	100.00 %

### The Top Five Entities to which Client Orders were Routed

### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 1 AND 2				
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	N				
TOP FIVE ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>Interactive Brokers Securities Japan, Inc. (54930093I22PU43OD Q77)</b>	95.92 %	27.54 %	0.02 %	31.70 %	0.00 %
<b>Interactive Brokers LLC (50OBSE5T5521O6SM ZR28)</b>	4.08 %	72.46 %	19.06 %	79.56 %	0.00 %

### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	EQUITIES - SHARES & DEPOSITARY RECEIPTS: TICK SIZE LIQUIDITY BANDS 1 AND 2
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### Debt Instruments: Bonds

#### The Top Five Execution Venues to which Client Orders were Routed

### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	DEBT INSTRUMENTS: BONDS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

**IBUK-Executed Orders, Professional Clients**

CLASS OF INSTRUMENT	DEBT INSTRUMENTS: BONDS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

**The Top Five Entities to which Client Orders were Routed**

**IBUK-Transmitted Orders, Retail Clients**

CLASS OF INSTRUMENT	DEBT INSTRUMENTS: BONDS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

**IBUK-Transmitted Orders, Professional Clients**

CLASS OF INSTRUMENT	DEBT INSTRUMENTS: BONDS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

**Debt Instruments: Money Markets Instruments**

**The Top Five Execution Venues to which Client Orders were Routed**

**IBUK-Executed Orders, Retail Clients**

CLASS OF INSTRUMENT	DEBT INSTRUMENTS: MONEY MARKETS INSTRUMENTS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

**IBUK-Executed Orders, Professional Clients**

CLASS OF INSTRUMENT	DEBT INSTRUMENTS: MONEY MARKETS INSTRUMENTS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

**The Top Five Entities to which Client Orders were Routed**

**IBUK-Transmitted Orders, Retail Clients**

CLASS OF INSTRUMENT	DEBT INSTRUMENTS: MONEY MARKETS INSTRUMENTS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

**IBUK-Transmitted Orders, Professional Clients**

CLASS OF INSTRUMENT	DEBT INSTRUMENTS: MONEY MARKETS INSTRUMENTS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

**Interest Rates Derivatives: Futures and Options Admitted to Trading on a Trading Venue**

**The Top Five Execution Venues to which Client Orders were Routed**

**IBUK-Executed Orders, Retail Clients**

CLASS OF INSTRUMENT	INTEREST RATES DERIVATIVES: 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>ICE Futures Europe - Equity Products Division (IFLO)</b>	100.00 %	100.00 %	54.29 %	45.71 %	100.00 %

**IBUK-Executed Orders, Professional Clients**



CLASS OF INSTRUMENT	INTEREST RATES DERIVATIVES: 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>ICE Futures Europe - Equity Products Division (IFLO)</b>	100.00 %	99.99 %	43.27 %	56.73 %	100.00 %
<b>MexDer (XEMD)</b>	0.00 %	0.01 %	0.00 %	0.00 %	100.00 %

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	INTEREST RATES DERIVATIVES: 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 ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	99.82 %	99.50 %	0.00 %	0.00 %	100.00 %
<b>Interactive Brokers Securities Japan, Inc. (54930093I22PU43OD Q77)</b>	0.11 %	0.28 %	0.00 %	0.00 %	100.00 %
<b>Interactive Brokers Hong Kong Limited (5493006E0OXB133D B14)</b>	0.07 %	0.22 %	0.00 %	0.00 %	100.00 %

### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	INTEREST RATES DERIVATIVES: 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 ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KMY8XC2HP Z142)</b>	95.32 %	98.85 %	0.00 %	0.00 %	100.00 %
<b>Interactive Brokers Hong Kong Limited (5493006E0OXB133D B14)</b>	3.37 %	0.85 %	0.00 %	0.00 %	100.00 %
<b>Interactive Brokers Securities Japan, Inc. (54930093I22PU43OD Q77)</b>	1.31 %	0.29 %	0.00 %	0.00 %	100.00 %

## Interest Rates Derivatives: Swaps, Forwards and Other Interest Rates Derivatives

### The Top Five Execution Venues to which Client Orders were Routed

#### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	INTEREST RATES DERIVATIVES: SWAPS, FORWARDS AND OTHER INTEREST RATES DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	INTEREST RATES DERIVATIVES: SWAPS, FORWARDS AND OTHER INTEREST RATES DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	INTEREST RATES DERIVATIVES: SWAPS, FORWARDS AND OTHER INTEREST RATES DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	INTEREST RATES DERIVATIVES: SWAPS, FORWARDS AND OTHER INTEREST RATES DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### Credit Derivatives: Futures and Options Admitted to Trading on a Trading Venue

### The Top Five Execution Venues to which Client Orders were Routed

#### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	CREDIT DERIVATIVES: FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	CREDIT DERIVATIVES: FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	CREDIT DERIVATIVES: FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	CREDIT DERIVATIVES: FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### Credit Derivatives: Other Credit Derivatives

#### The Top Five Execution Venues to which Client Orders were Routed

#### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	CREDIT DERIVATIVES: OTHER CREDIT DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	CREDIT DERIVATIVES: OTHER CREDIT DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	CREDIT DERIVATIVES: OTHER CREDIT DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	CREDIT DERIVATIVES: OTHER CREDIT DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### Currency Derivatives: Futures and Options Admitted to Trading on a Trading Venue

### The Top Five Execution Venues to which Client Orders were Routed

#### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	CURRENCY DERIVATIVES: FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	CURRENCY DERIVATIVES: FUTURES AND OPTIONS ADMITTED TO TRADING ON A TRADING VENUE
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

## The Top Five Entities to which Client Orders were Routed

### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	CURRENCY DERIVATIVES: 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 ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	94.64 %	96.64 %	0.00 %	0.00 %	100.00 %
<b>Interactive Brokers Hong Kong Limited (5493006E0OXBY133D B14)</b>	5.36 %	3.36 %	0.00 %	0.00 %	100.00 %

### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	CURRENCY DERIVATIVES: 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 ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	99.89 %	99.94 %	0.00 %	0.00 %	100.00 %
<b>Interactive Brokers Hong Kong Limited (5493006E00XBY133D B14)</b>	0.11 %	0.06 %	0.00 %	0.00 %	100.00 %

### Currency Derivatives: Swaps, Forwards and Other Currency Derivatives

#### The Top Five Execution Venues to which Client Orders were Routed

##### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	CURRENCY DERIVATIVES: SWAPS, FORWARDS AND OTHER CURRENCY DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

##### IBUK-Executed Orders, Professional Clients



CLASS OF INSTRUMENT	CURRENCY DERIVATIVES: SWAPS, FORWARDS AND OTHER CURRENCY DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

## The Top Five Entities to which Client Orders were Routed

### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	CURRENCY DERIVATIVES: SWAPS, FORWARDS AND OTHER CURRENCY DERIVATIVES				
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	N				
TOP FIVE ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>Interactive Brokers Hong Kong Limited (5493006E00XBY133 DB14)</b>	100.00 %	100.00 %	0.00 %	0.00 %	100.00 %

### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	CURRENCY DERIVATIVES: SWAPS, FORWARDS AND OTHER CURRENCY DERIVATIVES				
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	N				
TOP FIVE ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>Interactive Brokers Hong Kong Limited (5493006E00XBY133 DB14)</b>	100.00 %	100.00 %	0.00 %	0.00 %	100.00 %

### Structured Finance Instruments

#### The Top Five Execution Venues to which Client Orders were Routed

##### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	STRUCTURED FINANCE INSTRUMENTS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

##### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	STRUCTURED FINANCE INSTRUMENTS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### The Top Five Entities to which Client Orders were Routed

##### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	STRUCTURED FINANCE INSTRUMENTS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	STRUCTURED FINANCE INSTRUMENTS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### Equity Derivatives: Options and Futures Admitted to Trading on a Trading Venue

#### The Top Five Execution Venues to which Client Orders were Routed

### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	EQUITY DERIVATIVES: 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>ICE Futures Europe - Equity</b>	68.73 %	58.96 %	52.09 %	47.91 %	100.00 %

CLASS OF INSTRUMENT	EQUITY DERIVATIVES: 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>Products Division (IFLO)</b>					
<b>Italian Derivatives Market (XDMI)</b>	22.65 %	25.17 %	0.00 %	0.00 %	100.00 %
<b>Spanish Derivative Exchange (XMRV)</b>	8.46 %	15.80 %	0.00 %	0.00 %	100.00 %
<b>London Stock Exchange - Derivatives Market (XLOD)</b>	0.16 %	0.08 %	0.00 %	0.00 %	100.00 %

### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	EQUITY DERIVATIVES: 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>Italian Derivatives Market (XDMI)</b>	33.89 %	28.18 %	0.00 %	0.00 %	100.00 %
<b>Spanish Derivative Exchange (XMRV)</b>	32.37 %	34.72 %	0.00 %	0.00 %	100.00 %
<b>ICE Futures Europe - Equity Products Division (IFLO)</b>	29.87 %	28.25 %	35.55 %	64.45 %	100.00 %
<b>MexDer (XEMD)</b>	3.85 %	8.83 %	0.00 %	0.00 %	100.00 %
<b>London Stock Exchange - Derivatives Market (XLOD)</b>	0.02 %	0.02 %	0.00 %	0.00 %	100.00 %

## The Top Five Entities to which Client Orders were Routed

### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	EQUITY DERIVATIVES: 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 ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	82.65 %	80.41 %	17.88 %	10.10 %	100.00 %
<b>Interactive Brokers Hong Kong Limited (5493006E0OXBY133D B14)</b>	12.00 %	17.19 %	0.00 %	0.00 %	100.00 %
<b>Interactive Brokers Securities Japan, Inc. (54930093I22PU43OD Q77)</b>	5.34 %	2.40 %	0.00 %	0.00 %	100.00 %

### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	EQUITY DERIVATIVES: 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 ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	77.62 %	95.40 %	3.75 %	5.42 %	100.00 %
<b>Interactive Brokers Hong Kong Limited (5493006E00XBY133D B14)</b>	21.99 %	4.43 %	0.00 %	0.00 %	100.00 %
<b>Interactive Brokers Securities Japan, Inc. (54930093I22PU43OD Q77)</b>	0.39 %	0.17 %	0.00 %	0.00 %	100.00 %

### Equity Derivatives: Swaps and Other Equity Derivatives

#### The Top Five Execution Venues to which Client Orders were Routed

##### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	EQUITY DERIVATIVES: SWAPS AND OTHER EQUITY DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

##### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	EQUITY DERIVATIVES: SWAPS AND OTHER EQUITY DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	EQUITY DERIVATIVES: SWAPS AND OTHER EQUITY DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	EQUITY DERIVATIVES: SWAPS AND OTHER EQUITY DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### Securitized Derivatives: Warrants and Certificate Derivatives

### The Top Five Execution Venues to which Client Orders were Routed

#### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	SECURITIZED DERIVATIVES: WARRANTS AND CERTIFICATE DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	SECURITIZED DERIVATIVES: WARRANTS AND CERTIFICATE DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients



CLASS OF INSTRUMENT	SECURITIZED DERIVATIVES: WARRANTS AND CERTIFICATE DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### **IBUK-Transmitted Orders, Professional Clients**

CLASS OF INSTRUMENT	SECURITIZED DERIVATIVES: WARRANTS AND CERTIFICATE DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### **Securitized Derivatives: Other Securitized Derivatives**

#### **The Top Five Execution Venues to which Client Orders were Routed**

### **IBUK-Executed Orders, Retail Clients**

CLASS OF INSTRUMENT	SECURITIZED DERIVATIVES: OTHER SECURITIZED DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### **IBUK-Executed Orders, Professional Clients**

CLASS OF INSTRUMENT	SECURITIZED DERIVATIVES: OTHER SECURITIZED DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### **The Top Five Entities to which Client Orders were Routed**

### **IBUK-Transmitted Orders, Retail Clients**

CLASS OF INSTRUMENT	SECURITIZED DERIVATIVES: OTHER SECURITIZED DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

## IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	SECURITIZED DERIVATIVES: OTHER SECURITIZED DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

## Commodities Derivatives and Emission Allowances Derivatives: Options and Futures Admitted to Trading on a Trading Venue

### The Top Five Execution Venues to which Client Orders were Routed

## IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES DERIVATIVES: 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>ICE Futures Europe - Agricultural Products Division (IFLX)</b>	100 %	100 %	46.47 %	53.53 %	100.00 %

## IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES DERIVATIVES: 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>ICE Futures Europe - Agricultural Products Division (IFLX)</b>	100 %	100 %	71.93 %	28.07 %	100.00 %

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES DERIVATIVES: 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 ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	99.84 %	99.61 %	22.84 %	22.49 %	100.00 %
<b>Interactive Brokers Hong Kong Limited (5493006E00XBY133D B14)</b>	0.16 %	0.38 %	0.00 %	0.00 %	100.00 %

### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES DERIVATIVES: 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 ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	100.00 %	100.00 %	40.35 %	24.50 %	100.00 %

**Commodities Derivatives and Emission Allowances Derivatives: Other Commodities Derivatives and Emission Allowances Derivatives**

**The Top Five Execution Venues to which Client Orders were Routed**

**IBUK-Executed Orders, Retail Clients**

CLASS OF INSTRUMENT	COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES DERIVATIVES: OTHER COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>Standard Chartered Bank (RILFO74KP1CM8P6PCT96)</b>	100 %	100 %	00.00 %	00.00 %	100.00 %

### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES DERIVATIVES: OTHER COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>Standard Chartered Bank (RILFO74KP1CM8P6PCT96)</b>	100 %	100 %	00.00 %	00.00 %	100.00 %

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES DERIVATIVES: OTHER COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES DERIVATIVES				
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	N				
TOP FIVE ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>Standard Chartered Bank (RILFO74KP1CM8P6PCT96)</b>	100.00 %	100.00 %	0.00 %	0.00 %	100.00 %

### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES DERIVATIVES: OTHER COMMODITIES DERIVATIVES AND EMISSION ALLOWANCES DERIVATIVES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### Contracts for Difference: Stock Underlying

#### The Top Five Execution Venues to which Client Orders were Routed

### IBUK-Executed Orders, Retail Clients



CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: STOCK UNDERLYING				
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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	56.96 %	70.54 %	0.00 %	0.00 %	0.00 %
<b>Morgan Stanley &amp; Co. International plc - CFDs (MSSI)</b>	43.04 %	29.46 %	0.00 %	0.00 %	0.00 %

### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: STOCK UNDERLYING				
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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	62.32 %	73.94 %	0.00 %	0.00 %	5.94 %
<b>Morgan Stanley &amp; Co. International plc - CFDs (MSSI)</b>	37.68 %	26.06 %	0.00 %	0.00 %	18.08 %

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: STOCK UNDERLYING
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: STOCK UNDERLYING
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

## Contracts for Difference: Index Underlying

### The Top Five Execution Venues to which Client Orders were Routed

#### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: INDEX UNDERLYING				
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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>Morgan Stanley &amp; Co. International plc - CFDs (MSSI)</b>	100.00 %	100.00 %	0.00 %	0.00 %	0.00 %

#### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: INDEX UNDERLYING				
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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>Morgan Stanley &amp; Co. International plc - CFDs (MSSI)</b>	100.00 %	100.00 %	0.00 %	0.00 %	28.61 %

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: INDEX UNDERLYING
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: INDEX UNDERLYING
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

## Contracts for Difference: Cash Underlying

### The Top Five Execution Venues to which Client Orders were Routed

#### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: CASH UNDERLYING				
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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
IBUK (549300GVM9BQWJX PI223)	100.00 %	100.00 %	0.00 %	68.69 %	0.00 %

#### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: CASH UNDERLYING				
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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
IBUK (549300GVM9BQWJX PI223)	100.00 %	100.00 %	0.00 %	75.46 %	0.01 %

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: CASH UNDERLYING
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### IBUK-Transmitted Orders, Professional Clients

CLASS OF INSTRUMENT	CONTRACTS FOR DIFFERENCE: CASH UNDERLYING
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

### Exchange Traded Products (Exchange Traded Funds, Exchange Traded Notes and Exchange Traded Commodities)

#### The Top Five Execution Venues to which Client Orders were Routed

#### IBUK-Executed Orders, Retail Clients

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	Y

### IBUK-Executed Orders, Professional Clients

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	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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>London Stock Exchange (XLON)</b>	64.86 %	52.08 %	48.09 %	44.51 %	100.00 %
<b>Borsa Italiana (XMIL)</b>	28.26 %	4.88 %	45.17 %	51.33 %	100.00 %
<b>CBOE Europe (CHIX)</b>	2.41 %	8.32 %	25.24 %	74.76 %	100.00 %
<b>Goldman Sachs International (W22LROWP2IHZNBB6 K528)</b>	2.35 %	16.62 %	0.00 %	100.00 %	100.00 %
<b>Citadel Securities (Europe) Limited (CSEC)</b>	1.05 %	1.91 %	0.00 %	100.00 %	100.00 %

## The Top Five Entities to which Client Orders were Routed

### IBUK-Transmitted Orders, Retail Clients

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	Y

### IBUK-Transmitted Orders, Professional Clients

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	Y

## Emission Allowances

### The Top Five Execution Venues to which Client Orders were Routed

#### IBUK-Executed Orders, Retail Clients

CLASS OF INSTRUMENT	EMISSION ALLOWANCES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

#### IBUK-Executed Orders, Professional Clients

CLASS OF INSTRUMENT	EMISSION ALLOWANCES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

## The Top Five Entities to which Client Orders were Routed

### IBUK-Transmitted Orders, Retail Clients



CLASS OF INSTRUMENT	EMISSION ALLOWANCES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

**IBUK-Transmitted Orders, Professional Clients**

CLASS OF INSTRUMENT	EMISSION ALLOWANCES
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

**Other Instruments**

**The Top Five Execution Venues to which Client Orders were Routed**

**IBUK-Executed Orders, Retail Clients**

CLASS OF INSTRUMENT	OTHER INSTRUMENTS
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	Y

**IBUK-Executed Orders, Professional Clients**

CLASS OF INSTRUMENT	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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>London Stock Exchange (XLON)</b>	84.88 %	71.96 %	35.23 %	59.21 %	100.00 %
<b>CBOE Europe (CHIX)</b>	5.55 %	6.19 %	5.91 %	94.09 %	100.00 %
<b>TradeGate (XGAT)</b>	4.76 %	13.07 %	0.00 %	31.50 %	100.00 %
<b>Goldman Sachs International (W22LROWP2IHZNBB6 K528)</b>	1.94 %	4.25 %	0.00 %	100.00 %	100.00 %
<b>Borsa Italiana (XMIL)</b>	1.81 %	1.87 %	42.20 %	53.25 %	100.00 %

### The Top Five Entities to which Client Orders were Routed

#### IBUK-Transmitted Orders, Retail Clients

CLASS OF INSTRUMENT	OTHER INSTRUMENTS				
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	N				
TOP FIVE ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	99.58 %	98.76 %	0.00 %	0.00 %	100.00 %
<b>Interactive Brokers Securities Japan, Inc. (54930093I22PU43OD Q77)</b>	0.42 %	1.24 %	0.00 %	0.00 %	100.00 %

**IBUK-Transmitted Orders, Professional Clients**

CLASS OF INSTRUMENT	OTHER INSTRUMENTS				
NOTIFICATION IF <1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR	N				
TOP FIVE ENTITIES 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 A PERCENTAGE OF TOTAL IN THAT CLASS	PERCENTAGE OF PASSIVE ORDERS	PERCENTAGE OF AGGRESSIVE ORDERS	PERCENTAGE OF DIRECTED ORDERS
<b>IBKR Financial Services AG (549300KKMY8XC2HP Z142)</b>	99.70 %	98.96 %	0.00 %	0.00 %	100.00 %
<b>Interactive Brokers Securities Japan, Inc. (54930093I22PU43OD Q77)</b>	0.30 %	1.03 %	0.00 %	0.00 %	100.00 %
<b>Interactive Brokers Hong Kong Limited (5493006E0OXB133D B14)</b>	0.00 %	0.01 %	0.00 %	0.00 %	100.00 %