

# Top five brokers as per RTS 28 - 2019 Annual Report

Table 1 RETAIL CLIENTS

Class of Instrument		Exchange Traded Products (ETP)			
Notifications if <1 average trade per business day in the previous year	N				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	1.78	98.22

Class of Instrument		Equity - Tick-Size / Liquidity Band 5 and 6			
Notifications if <1 average trade per business day in the previous year	N				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	0.41	99.59

Class of Instrument		Equity - Tick-Size / Liquidity Band 3 and 4			
Notifications if <1 average trade per business day in the previous year	N				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	7.85	92.15

Class of Instrument		Equity - Tick-Size / Liquidity Band 1 and 2			
Notifications if <1 average trade per business day in the previous year	N				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	3.44	96.56

Class of Instrument		Debt Instruments - Bonds			
Notifications if <1 average trade per business day in the previous year	N				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	8.13	91.87

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Class of Instrument		Debt Instruments - Money Market Instruments			
Notifications if <1 average trade per business day in the previous year	Y				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	0	100

Class of Instrument		Securitized Derivatives - Warrants and Certificates			
Notifications if <1 average trade per business day in the previous year	Y				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	0	100

Class of Instrument		Securitized Derivatives - Others			
Notifications if <1 average trade per business day in the previous year	Y				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	0	100

Table 2 PROFESSIONAL CLIENTS

Class of Instrument		Exchange Traded Products (ETP)			
Notifications if <1 average trade per business day in the previous year	Y				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	3.09	96.91

Class of Instrument		Equity - Tick-Size / Liquidity Band 5 and 6			
Notifications if <1 average trade per business day in the previous year	N				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	0.51	99.49

## Top five brokers as per RTS 28 - 2019 Annual Report

Class of Instrument		Equity - Tick-Size / Liquidity Band 3 and 4			
Notifications if <1 average trade per business day in the previous year	Y				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	9.52	90.48

Class of Instrument		Equity - Tick-Size / Liquidity Band 1 and 2			
Notifications if <1 average trade per business day in the previous year	Y				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	1.69	98.31

Class of Instrument		Structured Finance Instruments			
Notifications if <1 average trade per business day in the previous year	Y				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	0	100

Class of Instrument		Debt Instruments - Bonds			
Notifications if <1 average trade per business day in the previous year	Y				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	8.85	91.15

Class of Instrument		Debt Instruments - Money Market Instruments			
Notifications if <1 average trade per business day in the previous year	Y				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	0	100

Class of Instrument		Securitized Derivatives - Warrants and Certificates			
Notifications if <1 average trade per business day in the previous year	Y				
Top five brokers ranked in term of trading volumes (descending order)	Legal Identity Identifier	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
Bank J. Safra Sarasin AG	5493008LFIYZKT5TJ445	100	100	0	100

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### Annexes

#### Annex I: Definitions

- (a) 'Passive order' means an order entered into the order book that provided liquidity;
- (b) 'Aggressive order' means an order entered into the order book that took liquidity;
- (c) 'Directed order' means an order where a specific execution venue was specified by the client prior to the execution of the order;

#### Annex II: Classes of financial instruments

- (a) Equities - Shares & Depositary Receipts
  - (i) Tick size liquidity bands 5 and 6 (from 2000 trades per day)
  - (ii) Tick size liquidity bands 3 and 4 (from 80 to 1999 trades per day)
  - (iii) Tick size liquidity band 1 and 2 (from 0 to 79 trades per day)