

## RTS 28 Top 5 Venue Report for DB Suisse

Reporting period: 1/1/2017 to 31/12/2017

In accordance with Regulatory Technical Standard 28 of MiFID (Directive 2014/65/EU), this document provides information on the top 5 venues / brokers (in terms of trading volumes) used by DB Suisse in calendar year 2017, to execute client orders. We also provide below information pertaining to the quality of execution obtained, as asked under Article 3(3) of RTS 28.

[http://ec.europa.eu/finance/securities/docs/isd/mifid/rts/160608-rts-28\\_en.pdf](http://ec.europa.eu/finance/securities/docs/isd/mifid/rts/160608-rts-28_en.pdf)

As required under Article 3(3) of MIFID RTS 28	Instrument applicability	Commentary (as applicable to DB Suisse)
<p>a) an explanation of the relative importance the firm gave to the execution factors of price, costs, speed, likelihood of execution or any other consideration including qualitative factors when making assessments of the quality of execution;</p>	<p>All</p>	<p>The execution factors and their relative importance are described in our Order Execution Policy. This can be found here: <a href="https://deutschewealth.com/content/deutsche-wealth/en/articles/regulatory_information.htm">https://deutschewealth.com/content/deutsche-wealth/en/articles/regulatory_information.htm</a></p>
<p>(b) a description of any close links, conflicts of interests, and common ownerships with respect to any execution venues used to execute orders;</p>	<p><i>Equities - Shares and Depository Receipts</i></p>	<p>There are no close links, conflicts of interests, and common ownerships with respect to any external execution venue / broker used to execute orders. Some orders may be executed using DB AG (group parent entity) as the broker / counterparty, pursuant to application of Best Execution principles</p>
	<p><i>Exchange traded products</i></p>	
	<p><i>Debt Instruments</i></p>	
	<p><i>Structured Finance instruments</i></p>	
	<p><i>Currency Derivatives - Swaps, forwards and other currency derivatives</i></p>	
	<p><i>Interest Rates Derivatives - Swaps, forwards and other interest rates derivatives</i></p>	<p>Execution is carried out solely against DB AG which is the group parent entity. Controls are in place to ensure that best results are obtained for the client on a consistent basis.</p>
	<p><i>Equity Derivatives - Swaps, forwards and other equity derivatives</i></p>	
	<p><i>Interest Rates Derivatives - Futures and options admitted to trading on a trading venue</i></p>	<p>All orders are routed to exchanges via the DB AG (group parent entity) platform. Best Execution monitoring controls are in place to ensure that orders are routed to exchange accurately and promptly.</p>
	<p><i>Commodity Derivatives - Futures and options admitted to trading on a trading venue</i></p>	
	<p><i>Equity Derivatives - Futures and options admitted to trading on a trading venue</i></p>	
<p><i>Securitized Derivatives</i></p>	<p>Any potential conflict of interest arising from fee payments is mentioned clearly to the client in the term-sheet.</p>	

As required under Article 3(3) of MIFID RTS 28	Instrument applicability	Commentary (as applicable to DB Suisse)
(c) a description of any specific arrangements with any execution venues regarding payments made or received, discounts, rebates or non-monetary benefits received;	All (other than Securitised Derivatives)	There are no specific arrangements with any external execution venues regarding payments made or received, discounts, rebates or non-monetary benefits received.
	Securitised Derivatives	Structuring fees are paid by the issuer via invoice.
(d) 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;	All	No change in the list of execution venues occurred during the year.
(e) an explanation of how order execution differs according to client categorisation, where the firm treats such category of client differently and where it may affect the order execution arrangements;	All	The same best execution principles are followed regardless of the categorisation of the end client.
(f) an explanation of when 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;	All	Not applicable since retail orders are treated no differently from orders received from professional clients.
(g) an explanation of how the investment firm has used any data or tools relating to the quality of execution including any data published under 27(10)(a) of Directive 2014/65/EU.	All (other than Securitised Derivatives)	Data under Article 27(10)(a) of Directive 2014/65/EU was not published during calendar year 2017. However, we have used other independent benchmarking tools to assess our execution prices against the average prevailing prices in the market. Such a benchmarking exercise helped us to assess the quality of execution by our brokers / counterparties and enabled us to optimise selection of the same to improve execution results.
	Securitised Derivatives	Data under Article 27(10)(a) of Directive 2014/65/EU was not published during calendar year 2017. Benchmarking was not used for structured products. However, quality of execution was ensured by obtaining, on average, pricing from three different counterparties for each trade.

As required under Article 3(3) of MIFID RTS 28	Instrument applicability	Commentary (as applicable to DB Suisse)
<p><i>h) An explanation of how the investment firm has used, if applicable, output of a consolidated tape provider established under Article 65 of Directive 2014/65/EU which will allow for the development of enhanced measures of execution quality or any other algorithms used to optimise and assess execution performances.</i></p>	<p>All</p>	<p>Output of consolidated tape providers as per Article 65 of Directive 2014/65/EU was not available during 2017.</p>

The following tables provide information on the top five execution venues / executing brokers (by proportion of volume traded as a % of total volume) used by DB Suisse in calendar year 2017 for executing orders from clients in various classes of Financial Instruments. A machine readable version of these tables (CSV format) has also been made available separately.

The terms 'Execution Venue' and 'Executing Broker' as used in the tables below imply 'Execution' and 'Transmission' of orders respectively.

### For Retail clients:

LEGAL UNIT 529900BXKPMXQTRE1V05  
 CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 1 and 2  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
 Client Type Retail

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
SIX SIS AG	549300A3XI3YWROC2J57	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTRE1V05  
 CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 1 and 2  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
 Client Type Retail

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWFZYICNSX8D621K86	51.70%	82.04%	-	-	0.00%
INSTINET EUROPE LIMITED	213800MXAKR2LA1VBM44	34.12%	13.49%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	3.92%	1.99%	-	-	0.00%
Sanford C. Bernstein Limited	54930049G8WQ500USD19	2.50%	0.04%	-	-	0.00%
UBS Switzerland AG	549300WOIFUSNYH0FL22	2.26%	0.96%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 1 and 2  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
Client Type Retail

Execution Venue / Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWFZYICNSX8D621K86	50.83%	77.12%	-	-	0.00%
INSTINET EUROPE LIMITED	213800MXAKR2LA1VBM44	33.54%	12.68%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRL74S01HE2M14	3.85%	1.87%	-	-	0.00%
Sanford C. Bernstein Limited	54930049G8WQ50OUSD19	2.46%	0.04%	-	-	0.00%
UBS Switzerland AG	549300WOIFUSNYH0FL22	2.22%	0.91%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 3 and 4  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
Client Type Retail

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
SIX SIS AG	549300A3XI3YWROC2J57	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 3 and 4  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
Client Type Retail

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWFZYICNSX8D621K86	55.20%	91.93%	-	-	0.00%
INSTINET EUROPE LIMITED	213800MXAKR2LA1VBM44	21.84%	0.96%	-	-	0.00%
UBS Switzerland AG	549300WOIFUSNYH0FL22	8.35%	0.17%	-	-	0.00%
Sanford C. Bernstein Limited	54930049G8WQ50OUSD19	5.27%	0.08%	-	-	0.00%
KCG EUROPE LIMITED	549300346EFUPFCJT79	2.94%	2.45%	-	-	0.00%

LEGAL UNIT  
CLASS OF INSTRUMENT  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR  
Client Type

529900BXKPMXQTR1V05  
(A) Equities - Shares and Depository Receipts - Tick size liquidity bands 3 and 4  
N  
Retail

Execution Venue / Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWTFZYICNSX8D621K86	39.09%	42.08%	-	-	0.00%
SIX SIS AG	549300A3XI3YWROC2J57	29.19%	54.22%	-	-	0.00%
INSTINET EUROPE LIMITED	213800MXAKR2LA1VBM44	15.46%	0.44%	-	-	0.00%
UBS Switzerland AG	549300WOIFUSNYH0FL22	5.91%	0.08%	-	-	0.00%
Sanford C. Bernstein Limited	54930049G8WQ5OOUUSD19	3.73%	0.04%	-	-	0.00%

LEGAL UNIT  
CLASS OF INSTRUMENT  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR  
Client Type

529900BXKPMXQTR1V05  
(A) Equities - Shares and Depository Receipts - Tick size liquidity bands 5 and 6  
N  
Retail

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
SIX SIS AG	549300A3XI3YWROC2J57	100.00%	100.00%	-	-	0.00%

LEGAL UNIT  
CLASS OF INSTRUMENT  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR  
Client Type

529900BXKPMXQTR1V05  
(A) Equities - Shares and Depository Receipts - Tick size liquidity bands 5 and 6  
N  
Retail

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWTFZYICNSX8D621K86	68.58%	84.16%	-	-	0.00%
INSTINET EUROPE LIMITED	213800MXAKR2LA1VBM44	15.63%	0.76%	-	-	0.00%
UBS Switzerland AG	549300WOIFUSNYH0FL22	9.05%	9.30%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	2.85%	5.19%	-	-	0.00%
Sanford C. Bernstein Limited	54930049G8WQ5OOUUSD19	1.45%	0.02%	-	-	0.00%

LEGAL UNIT  
CLASS OF INSTRUMENT  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR  
Client Type

529900BXKPMXQTR1V05  
(A) Equities - Shares and Depository Receipts - Tick size liquidity bands 5 and 6  
N  
Retail

Execution Venue / Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWFZYICNSX8D621K86	58.38%	67.63%	-	-	0.00%
SIX SIS AG	549300A3X13YWROC2J57	14.88%	19.64%	-	-	0.00%
INSTINET EUROPE LIMITED	213800MXAKR2LA1VBM44	13.31%	0.61%	-	-	0.00%
UBS Switzerland AG	549300WOIFUSNYH0FL22	7.70%	7.47%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	2.43%	4.17%	-	-	0.00%

LEGAL UNIT  
CLASS OF INSTRUMENT  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR  
Client Type

529900BXKPMXQTR1V05  
(B) Debt Instruments - Bonds  
N  
Retail

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Citigroup Global Markets Limited	XKZZ2JZF41MRHTR1V493	6.65%	6.67%	-	-	0.00%
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4IQL9C32	6.58%	6.43%	-	-	0.00%
BARCLAYS BANK PLC	G5GSEF7VJP5I7OUK5573	5.50%	4.84%	-	-	0.00%
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWFZYICNSX8D621K86	5.07%	4.64%	-	-	0.00%
HSBC BANK PLC	MP615ZYZBEU3UXPYFY54	4.84%	5.04%	-	-	0.00%

LEGAL UNIT  
CLASS OF INSTRUMENT  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR  
Client Type

529900BXKPMXQTR1V05  
(B) Debt Instruments - Money Market Instruments  
Y  
Retail

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Nomura International PLC	DGQCSV2PHVF712743539	18.14%	17.39%	-	-	0.00%
Merrill Lynch International	GGDZP1UYGU9STUHRDP48	12.05%	4.35%	-	-	0.00%
Coöperatieve Rabobank U.A.	DG3RU1DBUFHT4ZF9WN62	11.89%	3.26%	-	-	0.00%
MIZUHO INTERNATIONAL PLC	213800HZ54TG54H2KV03	11.76%	5.98%	-	-	0.00%
The Toronto-Dominion Bank	PT3QB789TSUIDF371261	7.69%	5.98%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
 CLASS OF INSTRUMENT (C) Interest Rate Derivatives - Futures and options admitted to trading on a trading venue  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
 Client Type Retail

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWTFZYICNSX8D621K86	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
 CLASS OF INSTRUMENT (C) Interest Rate Derivatives - Swaps, forwards and other interest rate derivatives  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
 Client Type Retail

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWTFZYICNSX8D621K86	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
 CLASS OF INSTRUMENT (D) Currency Derivatives - Swaps, forwards and other currency derivatives  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
 Client Type Retail

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DBAG	7LWTFZYICNSX8D621K86	36.99%	62.22%	-	-	0.00%
JPM SECURITIES	K6Q0W1PS1L1O4IQL9C32	13.88%	8.59%	-	-	0.00%
CITI LONDON	XKZZ2JZF41MRHTR1V493	8.78%	3.49%	-	-	0.00%
MERRILL LYNCH INT LON	GGDZP1UYGU9STUHRDP48	5.83%	1.44%	-	-	0.00%
GOLDMAN LONDON	W22LROWP2IHZNBB6K528	5.62%	3.38%	-	-	0.00%



LEGAL UNIT 529900BXKPMXQTR1V05  
 CLASS OF INSTRUMENT (E) Structured Finance Instruments  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
 Client Type Retail

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTWFZYICNSX8D621K86	98.40%	93.21%	-	-	0.00%
Standard Chartered Bank	RILFO74KP1CM8P6PCT96	0.37%	0.95%	-	-	0.00%
Société Générale SA	O2RNE8IBXP4R0TD8PU41	0.28%	1.74%	-	-	0.00%
Citigroup Global Markets Limited	XKZZZJZF41MRHTR1V493	0.24%	0.95%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRRLF74S01HE2M14	0.16%	0.63%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
 CLASS OF INSTRUMENT (F) Equity Derivatives - Futures and options admitted to trading on a trading venue  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
 Client Type Retail

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTWFZYICNSX8D621K86	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
 CLASS OF INSTRUMENT (F) Equity Derivatives - Swaps and other equity derivatives  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
 Client Type Retail

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTWFZYICNSX8D621K86	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (G) Securitised Derivatives - Warrants and Certificate Derivatives  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
Client Type Retail

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWFZYICNSX8D621K86	30.64%	20.58%	-	-	0.00%
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4IQL9C32	14.97%	9.83%	-	-	0.00%
BNP PARIBAS	R0MUWSFPU8MPRO8K5P83	13.41%	16.07%	-	-	0.00%
Société Générale SA	O2RNE8IBXP4R0TD8PU41	11.56%	18.35%	-	-	0.00%
Goldman Sachs International	W22LROWP2IHZNBB6K528	10.37%	8.63%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (H) Commodities Derivatives - Futures and options admitted to trading on a trading venue  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
Client Type Retail

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWFZYICNSX8D621K86	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (I) 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  
Client Type Retail

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
SIX SIS AG	549300A3XI3YWROC2J57	100.00%	100.00%	-	-	0.00%

LEGAL UNIT  
 CLASS OF INSTRUMENT  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR  
 Client Type

529900BXKPMXQTR1V05  
 (I) Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)  
 N  
 Retail

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWTFZYICNSX8D621K86	50.64%	80.49%	-	-	0.00%
Flow Traders B.V.	549300CLJI9XDH12XV51	18.30%	3.77%	-	-	0.00%
UBS Limited	REYPIEJN7XZHSUI0N355	7.47%	4.78%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	6.13%	3.44%	-	-	0.00%
INSTINET EUROPE LIMITED	213800MXAKR2LA1VBM44	4.18%	1.62%	-	-	0.00%

LEGAL UNIT  
 CLASS OF INSTRUMENT  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR  
 Client Type

529900BXKPMXQTR1V05  
 (I) Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)  
 N  
 Retail

Execution Venue / Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LWTFZYICNSX8D621K86	38.21%	32.59%	-	-	0.00%
SIX SIS AG	549300A3XI3YWROC2J57	24.56%	59.51%	-	-	0.00%
Flow Traders B.V.	549300CLJI9XDH12XV51	13.81%	1.53%	-	-	0.00%
UBS Limited	REYPIEJN7XZHSUI0N355	5.64%	1.93%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	4.62%	1.39%	-	-	0.00%

## For Professional clients:

LEGAL UNIT 5299008XKPMXQTR1V05  
 CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 1 and 2  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
 Client Type Professional

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
SIX SIS AG	549300A3XI3YWROC2J57	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 5299008XKPMXQTR1V05  
 CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 1 and 2  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
 Client Type Professional

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTFWZYICNSX8D621K86	89.97%	59.83%	-	-	0.00%
INSTINET EUROPE LIMITED	213800MXAKR2LA1VBM44	6.48%	3.07%	-	-	0.00%
KCG EUROPE LIMITED	549300346EFUPFCXJT79	1.60%	0.48%	-	-	0.00%
UBS Switzerland AG	549300WOIFUSNYH0FL22	0.86%	7.96%	-	-	0.00%
Morgan Stanley & Co. International PLC	4PQUHN3JFFGFNF3BB653	0.47%	0.19%	-	-	0.00%

LEGAL UNIT 5299008XKPMXQTR1V05  
 CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 1 and 2  
 NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
 Client Type Professional

Execution Venue / Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTFWZYICNSX8D621K86	87.17%	39.02%	-	-	0.00%
INSTINET EUROPE LIMITED	213800MXAKR2LA1VBM44	6.28%	2.00%	-	-	0.00%
SIX SIS AG	549300A3XI3YWROC2J57	3.12%	34.77%	-	-	0.00%
KCG EUROPE LIMITED	549300346EFUPFCXJT79	1.55%	0.31%	-	-	0.00%
UBS Switzerland AG	549300WOIFUSNYH0FL22	0.83%	5.19%	-	-	0.00%

LEGAL UNIT 529900BXXKPMXQTR1V05  
CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 3 and 4  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
Client Type Professional

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
SIX SIS AG	549300A3X13YWROC2J57	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXXKPMXQTR1V05  
CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 3 and 4  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
Client Type Professional

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTFWZYICNSX8D621K86	96.52%	98.54%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	2.30%	0.09%	-	-	0.00%
UBS Limited	REYPIEJN7XZHSUI0N355	0.53%	0.17%	-	-	0.00%
KCG EUROPE LIMITED	549300346EFUPFCXJT79	0.42%	1.03%	-	-	0.00%
UBS Switzerland AG	549300WOIFUSNYH0FL22	0.23%	0.17%	-	-	0.00%

LEGAL UNIT 529900BXXKPMXQTR1V05  
CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 3 and 4  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
Client Type Professional

Execution Venue / Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
SIX SIS AG	549300A3X13YWROC2J57	50.73%	62.27%	-	-	0.00%
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTFWZYICNSX8D621K86	47.55%	37.18%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	1.13%	0.03%	-	-	0.00%
UBS Limited	REYPIEJN7XZHSUI0N355	0.26%	0.06%	-	-	0.00%
KCG EUROPE LIMITED	549300346EFUPFCXJT79	0.21%	0.39%	-	-	0.00%

LEGAL UNIT 5299008XKPMXQTR1V05  
CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 5 and 6  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
Client Type Professional

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
SIX SIS AG	549300A3X13YWROC2J57	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 5299008XKPMXQTR1V05  
CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 5 and 6  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
Client Type Professional

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTWFZYICNSX8D621K86	82.92%	96.86%	-	-	0.00%
UBS Switzerland AG	549300WOIFUSNYH0FL22	16.16%	0.07%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	0.89%	2.86%	-	-	0.00%
KCG EUROPE LIMITED	549300346EFUPFCXJT79	0.03%	0.20%	-	-	0.00%

LEGAL UNIT 5299008XKPMXQTR1V05  
CLASS OF INSTRUMENT (A) Equities - Shares and Depository Receipts - Tick size liquidity bands 5 and 6  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
Client Type Professional

Execution Venue / Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTWFZYICNSX8D621K86	77.02%	95.11%	-	-	0.00%
UBS Switzerland AG	549300WOIFUSNYH0FL22	15.01%	0.07%	-	-	0.00%
SIX SIS AG	549300A3X13YWROC2J57	7.11%	1.81%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	0.83%	2.81%	-	-	0.00%
KCG EUROPE LIMITED	549300346EFUPFCXJT79	0.03%	0.20%	-	-	0.00%

LEGAL UNIT 5299008XKPMXQTR1V05  
CLASS OF INSTRUMENT (B) Debt Instruments - Bonds  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
Client Type Professional

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTFWZYICNSX8D621K86	14.09%	4.34%	-	-	0.00%
THE ROYAL BANK OF SCOTLAND PUBLIC LIMITED COMPANY	RR3QWICWWIPCS8A4S074	7.86%	2.30%	-	-	0.00%
Citigroup Global Markets Limited	XKZZ2JZF41MRHTR1V493	6.08%	6.11%	-	-	0.00%
HSBC BANK PLC	MP6ISZYZBEU3UXPYFY54	5.87%	5.31%	-	-	0.00%
UBS Limited	REYPIEJN7XZHSUI0N355	5.79%	5.67%	-	-	0.00%

LEGAL UNIT 5299008XKPMXQTR1V05  
CLASS OF INSTRUMENT (B) Debt Instruments - Money Market Instruments  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
Client Type Professional

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Crédit Agricole Corporate and Investment Bank	1VUV7VQFKUOQSJ21A208	55.87%	4.35%	-	-	0.00%
Daiwa Securities Co. Ltd.	549300D405BPQ5DDVJ61	23.98%	4.35%	-	-	0.00%
HSBC BANK PLC	MP6ISZYZBEU3UXPYFY54	13.96%	4.35%	-	-	0.00%
Bank Vontobel AG	549300L7V4MGECYRM576	3.39%	4.35%	-	-	0.00%
Nomura International PLC	DGQCSV2PHVF7I2743539	1.00%	30.43%	-	-	0.00%

LEGAL UNIT 5299008XKPMXQTR1V05  
CLASS OF INSTRUMENT (C) Interest Rate Derivatives - Futures and options admitted to trading on a trading venue  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
Client Type Professional

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTFWZYICNSX8D621K86	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (C) Interest Rate Derivatives - Swaps, forwards and other interest rate derivatives  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
Client Type Professional

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTFWFZYICNSX8D621K86	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (D) Currency Derivatives - Swaps, forwards and other currency derivatives  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR N  
Client Type Professional

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DBAG	7LTFWFZYICNSX8D621K86	31.65%	71.57%	-	-	0.00%
RBS LONDON	RR3QWICWWIPCS8A4S074	11.64%	2.81%	-	-	0.00%
CITI LONDON	XKZZ2JZF41MRHTR1V493	7.78%	3.23%	-	-	0.00%
BARCLAYS LONDON	G5GSEF7VJP517OUK5573	7.43%	1.50%	-	-	0.00%
BNP PARIS	R0MUWSFPU8MPRO8K5P83	6.55%	1.14%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (E) Structured Finance Instruments  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
Client Type Professional

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTFWFZYICNSX8D621K86	53.21%	75.51%	-	-	0.00%
Goldman Sachs International	W22LROWP2IHZNBB6K528	34.10%	8.16%	-	-	0.00%
Natixis SA	KX1WK48MPD4Y2NCUIZ63	8.77%	8.16%	-	-	0.00%
J.P. Morgan Securities PLC	K6Q0W1PS1L1O4IQL9C32	3.54%	4.08%	-	-	0.00%
Banco Santander, S.A.	5493006QMFDDMYWIAM13	0.21%	2.04%	-	-	0.00%



LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (F) Equity Derivatives - Futures and options admitted to trading on a trading venue  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
Client Type Professional

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTFWFZYICNSX8D621K86	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (F) Equity Derivatives - Swaps and other equity derivatives  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
Client Type Professional

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTFWFZYICNSX8D621K86	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (G) Securitised Derivatives - Warrants and Certificate Derivatives  
NOTIFICATION IF < 1 AVERAGE TRADE PER BUSINESS DAY IN THE PREVIOUS YEAR Y  
Client Type Professional

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTFWFZYICNSX8D621K86	95.74%	31.58%	-	-	0.00%
Goldman Sachs International	W22LROWP21HZNB6K528	1.76%	10.53%	-	-	0.00%
BNP PARIBAS	R0MUW5FPU8MPRO8K5P83	1.12%	10.53%	-	-	0.00%
UniCredit Bank AG	2ZCNR8UK83OBTEK2170	0.34%	5.26%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	0.33%	10.53%	-	-	0.00%

LEGAL UNIT 529900BXKPMXQTR1V05  
CLASS OF INSTRUMENT (I) 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  
Client Type Professional

Execution Venue	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
SIX SIS AG	549300A3XI3YWROC2J57	100.00%	100.00%	-	-	0.00%

LEGAL UNIT 5299008XKPMXQTR1V05  
 CLASS OF INSTRUMENT (I) 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  
 Client Type Professional

Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTWFZYICNSX8D621K86	28.77%	89.23%	-	-	0.00%
UBS Limited	REYPIEJN7XZHSUI0N355	20.69%	1.92%	-	-	0.00%
Flow Traders B.V.	549300CLJ19XDH12XV51	18.77%	3.08%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	14.24%	1.92%	-	-	0.00%
Citigroup Global Markets Limited	XKZZ2JZF41MRHTR1V493	9.22%	0.38%	-	-	0.00%

LEGAL UNIT 5299008XKPMXQTR1V05  
 CLASS OF INSTRUMENT (I) 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  
 Client Type Professional

Execution Venue / Executing Broker	LEI	Proportion of volume traded as a % of total	Proportion of trades executed as a % of total	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
DEUTSCHE BANK AKTIENGESELLSCHAFT	7LTWFZYICNSX8D621K86	28.44%	81.98%	-	-	0.00%
UBS Limited	REYPIEJN7XZHSUI0N355	20.46%	1.77%	-	-	0.00%
Flow Traders B.V.	549300CLJ19XDH12XV51	18.56%	2.83%	-	-	0.00%
Credit Suisse Securities (Europe) Limited	DL6FFRRLF74S01HE2M14	14.08%	1.77%	-	-	0.00%
Citigroup Global Markets Limited	XKZZ2JZF41MRHTR1V493	9.11%	0.35%	-	-	0.00%