RTS 28 for Jan-Dec 2021 - Instinet Germany GmbH



Overall Summary:

Further information regarding on the order execution arrangements used by Instinet Germany GmbH ('Instinet') are contained in the Instinet Order Execution Policy ("Order Execution Policy"): http://www.instinet.com/legal-and-regulatory.php

Regarding the specific clauses of Article 3(3) of RTS 28, the following information is common to all classes of financial instruments traded by Instinet:

(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 When assessing the relative importance given to the execution factors, Instinet generally had taken into account the following characteristics of an order where Instinet had a best execution obligation: qualitative factors when assessing the quality of execution; - the regulatory classification of the client: the characteristics of the order; - the characteristics of the financial instrument; and - the characteristics of the venue. Subject to any specific client instructions, and after taking into account the above characteristics, Instinet gave priority to price, followed by likelihood of execution. The remaining execution factors (cost, speed and other factors relevant to the efficient execution of an order) were generally given equal ranking Where Instinet uses a smart order router (SOR) or the Experts algorithm suite and orders worked by Instinet's Execution desk, notwithstanding the above characteristics, Instinet may have given priority to other execution factor. in accordance with its Order Execution Policy. (b) a description of any close links, conflicts of interests, and common ownerships Instinet is wholly owned by Nomura Holdings Inc and as such has close links with other legal entities within the Nomura Holdings Inc Group. with respect to any execution venues used to execute orders: Instinet may use the execution venues listed in the Appendix to the Order Execution Policy to obtain the best possible results for clients, which may include routing a qualifying order to an affiliate for execution. In such cases, Instinet will ensure that the latter will have regard for the wider market in the relevant security, taking into account liquidity sources reasonably available, including but not limited to exchanges, brokers/dealers and multi-lateral trading facilities in order for Instinet to meet its best execution and other relevant regulatory obligations Instinet has close links to the Plato Partnership which is part of a joint venture with Turquoise, an MTF operator. (c) a description of any specific arrangements with any execution venues regarding Instinct has no specific arrangements with any execution venues other than the standard terms of membership payments made or received, discounts, rebates or non-monetary benefits received; where applicable. When trading with a Systematic Internaliser, no payment is made or received. In 2021 the following EEA venues were added following standard Best Ex process: (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; Dark venues: Morgan Stanley Dark MTF (venue switched on and off within 2021) First North Finland - Nordic@Mid First North Denmark - Nordic@Mid Periodic auction venues: First North Finland - Auction on Demand First North Denmark - Auction on Demand (e) 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 Instinet provides order execution services to professional clients and eligible counterparties where the approach to best execution is consistent. However, Instinet classifies orders according to the product used: execution arrangements: - DEA orders - Algo orders: - SOR orders - Conditional orders Experts orders - Worked orders - Broker-Neutral orders Descriptions of each of these order categories and their execution arrangements can be found in the Order Execution Policy. (f) 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 Instinet does not provide order execution services to retail clients. instrumental in delivering the best possible result in terms of the total consideration to (g) an explanation of how the investment firm has used any data or tools relating to Instinet performs periodic analysis of order execution quality using market data obtained directly from exchanges in the quality of execution, including any data published under RTS 27: most cases and maintains its own tick database. In the few EEA markets where Instinet is not a direct member firm this data is sourced from vendors.

Instinct uses a variety of metrics that depend on the characteristics of the order. Execution quality is analysed using data on spread moves at time intervals after fills on different venues, comparison of prices achieved by the SOR with the consolidated lit orderbook at the time of sending, and performance of algorithms against a range of benchmarks including arrival, close and VWAP (h) where applicable, an explanation of how the investment firm has used output of a Instinet uses consolidated data stored in a proprietary database. consolidated tape provider established under Article 65 of Directive 2014/65/EU.

Percentage values displaying zero are rounded values.

Percentage values relating to passive and aggressive orders are zero where the venue does not publish Last Liquidity information.

	Ton 5 Venues: S	nall caps, Traded on a Tra	nding Venue			
	Top 5 venues. O	nan caps, rraded on a rra	iding venue			
Class of Instrument		Equities - Shares and D	epositary Receipts: Ticl	size liquidity b	ands 1 and 2	
Notification if <1 average trade per business day in the pre	No					
Top five execution venues ranked in terms of traded volumes (descending order)	MIC	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
CITADEL CONNECT EUROPE - EU - SYSTEMATIC INT	EUCC	1.2%	0.8%	0%	100%	0%
CBOE EUROPE - DXE ORDER BOOKS (NL)	CEUX	0.7%	0.9%	62%	10%	88%
TOWER RESEARCH CAPITAL EUROPE - SYSTEMATI	TOWR	0.6%	0.5%	0%	100%	57%
EURONEXT - EURONEXT AMSTERDAM	XAMS	0.5%	0.2%	47%	47%	38%
XETRA - REGULIERTER MARKT	XETA	0.4%	0.6%	49%	41%	72%

Instinet accessed execution venues

Top 5 Brokers: Small caps, Traded on a Trading Venue										
Class of Instrument		Equities - Shares and Depositary Receipts: Tic	k size liquidity bands 1 and 2							
Notification if <1 average trade per business day in										
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders						
Instinet Europe Limited	213800MXAKR2LA1VBM44	93.7%	92.7%	53%						
Wood & Company Financial Services AS	549300UYJKOXE3HB8L79	0.1%	0.1%	5%						
Banco Santander S.A.	5493006QMFDDMYWIAM13	0.1%	0.1%	28%						
Baader Bank AG	529900JFOPPEDUR61H13	0.0%	0.0%	0%						
Piraeus Securities SA	213800I9XHTVLX73Z109	0.0%	0.0%	36%						

Instinet Europe Limited is used to access EEA ISINs that are traded in GBP.

Wood & Company Financial Services AS is used as a broker to access Central and Eastern Europe markets.

Banco Santander S.A is used as a broker to access Bolsa de Madrid.

Baader Bank is used to access Frankfurt, Munich, Stuttgart, Berlin, Hamburg and Dusseldorf Exchanges.

Piraeus Securities SA is used as a broker in Greek equities.

To assist clients in understanding where their orders are routed, the below additional tables and summaries rank venues and brokers where shares have an EEA listing.

Top 5 Venues: Small caps, EEA Listings only										
Class of Instrument			Equities - Shares and D	epositary Receipts: Tick	size liquidity b	pands 1 and 2				
Notification if <1 average trade per business day in the previous year No										
Top five execution venues ranked in terms of traded volumes (descending order)	MIC		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			
CBOE EUROPE - DXE ORDER BOOKS (NL)	CEUX		15.4%	15.0%	72%	11%	88%			
EURONEXT - EURONEXT AMSTERDAM	XAMS		9.6%	3.1%	47%	46%	31%			
NASDAQ STOCKHOLM AB	XSTO		9.4%	6.5%	34%	58%	63%			
XETRA - REGULIERTER MARKT	XETA		9.2%	9.9%	50%	39%	71%			
CBOE EUROPE - DXE DARK ORDER BOOK (NL)	CEUD		5.6%	2.2%	35%	46%	70%			

Auction trading represents the remaining percentage after passive and aggressive orders; these are typically much larger size than continuous orders.

Top 5 Brokers: Small caps, EEA Listings only									
Class of Instrument Equities - Shares and Depositary Receipts: Tick size liquidity bands 1 and 2									
Notification if <1 average trade per business day in the pr	evious year	No							
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders					
Instinet Europe Limited	213800MXAKR2LA1VBM44	7.5%	4.8%	60%					
Banco Santander S.A.	5493006QMFDDMYWIAM13	1.7%	1.3%	30%					
Wood & Company Financial Services AS	549300UYJKOXE3HB8L79	1.0%	1.2%	10%					
Piraeus Securities SA	213800I9XHTVLX73Z109	0.2%	0.4%	36%					
Baader Bank AG	529900JFOPPEDUR61H13	0.2%	0.1%	0%					

Top 5 Venues: Mid caps, Traded on a Trading Venue									
Class of Instrument		Equities - Shares and D	epositary Receipts: Tick	size liquidity l	oands 3 and 4				
Notification if <1 average trade per business day in the	e previous year	No							
Top five execution venues ranked in terms of traded volumes (descending order)	MIC	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			
XETRA - REGULIERTER MARKT	XETA	11.4%	8.4%	67%	23%	73%			
CBOE EUROPE - DXE ORDER BOOKS (NL)	CEUX	8.8%	16.5%	60%	16%	62%			
EURONEXT - EURONEXT PARIS	XPAR	6.9%	5.9%	64%	27%	62%			
TURQUOISE EUROPE - DARK	TQEM	5.5%	6.6%	62%	36%	91%			
NASDAQ STOCKHOLM AB	XSTO	5.0%	5.8%	43%	50%	68%			

Top 5 Brokers: Mid caps, Traded on a Trading Venue										
Class of Instrument		Equities - Shares and Depositary Receipts: Tic	k size liquidity bands 3 and 4							
Notification if <1 average trade per business day in the previous year										
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders						
Instinet Europe Limited	213800MXAKR2LA1VBM44	23.3%	12.1%	29%						
Banco Santander S.A.	5493006QMFDDMYWIAM13	1.1%	1.1%	37%						
Wood & Company Financial Services AS	549300UYJKOXE3HB8L79	0.4%	0.5%	18%						
Patria Finance AS	31570010000000009213	0.3%	0.4%	25%						
Piraeus Securities SA	213800I9XHTVLX73Z109	0.2%	0.2%	47%						

Patria Finance AS are used as brokers to access Central and Eastern Europe markets.

Top 5 Venues: Mid caps, EEA Listings only										
Class of Instrument		Equities - Shares and D	epositary Receipts: Ticl	k size liquidity l	pands 3 and 4					
Notification if <1 average trade per business day in the	No									
Top five execution venues ranked in terms of traded volumes (descending order)	MIC	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				
XETRA - REGULIERTER MARKT	XETA	15.1%	9.8%	67%	23%	73%				
CBOE EUROPE - DXE ORDER BOOKS (NL)	CEUX	11.3%	18.7%	60%	16%	62%				
EURONEXT - EURONEXT PARIS	XPAR	9.0%	6.9%	64%	27%	62%				
TURQUOISE EUROPE - DARK	TQEM	7.2%	7.7%	62%	36%	92%				
NASDAQ STOCKHOLM AB	XSTO	6.4%	6.5%	44%	49%	68%				

Top 5 Brokers: Mid caps, EEA Listings only										
Class of Instrument Equities - Shares and Depositary Receipts: Tick size liquidity bands 3 and 4										
Notification if <1 average trade per business day in the previous year										
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders						
Instinet Europe Limited	213800MXAKR2LA1VBM44	2.5%	0.9%	32%						
Banco Santander S.A.	5493006QMFDDMYWIAM13	1.4%	1.2%	35%						
Wood & Company Financial Services AS	549300UYJKOXE3HB8L79	0.5%	0.6%	19%						
Patria Finance AS	31570010000000009213	0.4%	0.4%	25%						
Piraeus Securities SA	213800I9XHTVLX73Z109	0.2%	0.3%	47%						

Top 5 Venues: Large caps, Traded on a Trading Venue									
Class of Instrument		Equities - Shares and D	epositary Receipts: Ticl	size liquidity b	pands 5 and 6				
Notification if <1 average trade per business day in the	e previous year	No							
Top five execution venues ranked in terms of traded volumes (descending order)	MIC	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			
XETRA - REGULIERTER MARKT	XETA	12.6%	6.8%	69%	25%	69%			
EURONEXT - EURONEXT PARIS	XPAR	8.3%	5.1%	70%	24%	56%			
CBOE EUROPE - DXE ORDER BOOKS (NL)	CEUX	7.8%	16.9%	64%	13%	42%			
TURQUOISE EUROPE - DARK	TQEM	5.8%	16.0%	76%	23%	97%			
EURONEXT - EURONEXT AMSTERDAM	XAMS	4.7%	3.0%	69%	26%	54%			

Top 5 Brokers: Large caps, Traded on a Trading Venue									
Class of Instrument		Equities - Shares and Depositary Receipts: Tic	k size liquidity bands 5 and 6						
Notification if <1 average trade per business day in the previous year No									
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders					
Instinet Europe Limited	213800MXAKR2LA1VBM44	31.1%	17.0%	30%					
Banco Santander S.A.	5493006QMFDDMYWIAM13	1.3%	0.8%	60%					
Wood & Company Financial Services AS	549300UYJKOXE3HB8L79	0.2%	0.3%	18%					
Patria Finance AS	31570010000000009213	0.0%	0.1%	20%					
Auriga Global Investors, S.V., S.A.	213800TFSEDK4Y98VZ05	0.0%	0.0%	73%					

Auriga Global Investors, S.V., S.A. are used as DEA brokers to access Bolsa de Madrid.

Top 5 Venues: Large caps, EEA Listings only									
Class of Instrument Equities - Shares and Depositary Receipts: Tick size liquidity bands 5 and 6									
Notification if <1 average trade per business day in the previous year									
Top five execution venues ranked in terms of traded volumes (descending order) MIC		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			
XETRA - REGULIERTER MARKT	XETA	18.6%	8.3%	69%	25%	69%			
EURONEXT - EURONEXT PARIS	XPAR	12.2%	6.2%	70%	24%	56%			
CBOE EUROPE - DXE ORDER BOOKS (NL)	CEUX	11.1%	20.0%	65%	13%	41%			
TURQUOISE EUROPE - DARK	TQEM	8.4%	19.3%	76%	23%	97%			
EURONEXT - EURONEXT AMSTERDAM	XAMS	6.2%	3.2%	70%	25%	55%			

Top 5 Brokers: Large caps, EEA Listings only									
Class of Instrument Equities - Shares and Depositary Receipts: Tick size liquidity bands 5 and 6									
Notification if <1 average trade per business day in the previous year									
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders					
Banco Santander S.A.	5493006QMFDDMYWIAM13	1.9%	0.9%	60%					
Instinet Europe Limited	213800MXAKR2LA1VBM44	1.5%	2.1%	91%					
Wood & Company Financial Services AS	549300UYJKOXE3HB8L79	0.2%	0.3%	18%					
Patria Finance AS	31570010000000009213	0.1%	0.1%	20%					
Auriga Global Investors, S.V., S.A.	213800TFSEDK4Y98VZ05	0.0%	0.0%	73%					

	Top 5 Venues: ETPs	, Traded on a Trading V	enue			
Class of Instrument	Exchange Traded Products (Exchange Traded Funds, Exchange Traded Notes and Exchange Traded Commodities)					s and
Notification if <1 average trade per business day in the previous year	r	No				
Top five execution venues ranked in terms of traded volumes (descending order)	MIC	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
XETRA - REGULIERTER MARKT	XETA	6.3%	16.9%	31%	61%	71%
FIRST NORTH SWEDEN	FNSE	3.5%	7.4%	25%	62%	31%
ELECTRONIC ETF, ETC/ETN AND OPEN-END FUNDS MARKET	ETFP	2.7%	4.8%	25%	73%	40%
EURONEXT - EURONEXT PARIS	XPAR	0.6%	1.4%	22%	69%	17%
EURONEXT - EURONEXT AMSTERDAM	XAMS	0.5%	1.4%	15%	71%	23%

First North and ETFPlus are the ETP trading segments of Nasdaq OMX Nordic and Borsa Italiana, respectively.

Top 5 Brokers: ETPs, Traded on a Trading Venue								
Class of Instrument		Exchange Traded Products (Exchange Traded Exchange Traded Commodities)	Funds, Exchange Traded Notes	s and				
Notification if <1 average trade per business day in the previous year	r	No						
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders				
Instinet Europe Limited	213800MXAKR2LA1VBM44	85.8%	66.7%	51%				
Banco Santander S.A.	5493006QMFDDMYWIAM13	0.3%	0.7%	99%				
Baader Bank AG	529900JFOPPEDUR61H13	0.0%	0.0%	0%				
Piraeus Securities SA	213800I9XHTVLX73Z109	0.0%	0.0%	0%				
Wood & Company Financial Services AS	549300UYJKOXE3HB8L79	0.0%	0.0%	0%				

	Top 5 Venues:	ETPs, EEA Listings only				
Class of Instrument		Exchange Traded Prod Exchange Traded Com	ucts (Exchange Traded modities)	Funds, Exchan	ge Traded Note	s and
Notification if <1 average trade per business day in the previous yea	r	No				
Top five execution venues ranked in terms of traded volumes (descending order)	MIC	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
XETRA - REGULIERTER MARKT	XETA	34.3%	39.4%	31%	61%	71%
FIRST NORTH SWEDEN	FNSE	18.9%	17.3%	25%	62%	31%
ELECTRONIC ETF, ETC/ETN AND OPEN-END FUNDS MARKET	ETFP	13.9%	10.6%	25%	72%	41%
EURONEXT - EURONEXT PARIS	XPAR	3.3%	3.3%	22%	69%	16%
EURONEXT - EURONEXT AMSTERDAM	XAMS	2.7%	3.2%	15%	71%	23%

	Top 5 Brokers:	ETPs, EEA Listings only		
Class of Instrument		Exchange Traded Products (Exchange Traded Exchange Traded Commodities)	Funds, Exchange Traded Notes	and
Notification if <1 average trade per business day in the previous year	r	No		
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders
Instinet Europe Limited	213800MXAKR2LA1VBM44	24.0%	23.0%	70%
Banco Santander S.A.	5493006QMFDDMYWIAM13	1.8%	1.7%	99%
Baader Bank AG	529900JFOPPEDUR61H13	0.0%	0.0%	0%
Piraeus Securities SA	213800I9XHTVLX73Z109	0.0%	0.0%	0%
Wood & Company Financial Services AS	549300UYJKOXE3HB8L79	0.0%	0.0%	0%

	Top 5 Venues: Warra	nts, Traded on a Trading	Venue			
Class of Instrument		Securitized Derivatives	: Warrants and Certifica	te Derivatives		
Notification if <1 average trade per business day in the previous ye	ear	No				
Top five execution venues ranked in terms of traded volumes (descending order)	MIC	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
EURONEXT - EURONEXT PARIS	XPAR	0.8%	0.3%	29%	55%	5%
EURONEXT - EURONEXT AMSTERDAM	XAMS	0.3%	0.1%	24%	29%	0%
ELECTRONIC SHARE MARKET	MTAA	0.2%	0.2%	82%	13%	0%
NASDAQ STOCKHOLM AB	XSTO	0.2%	0.1%	20%	69%	0%
EURONEXT GROWTH PARIS	ALXP	0.1%	0.1%	31%	61%	2%

Top 5 Brokers: Warrants, Traded on a Trading Venue							
Class of Instrument		Securitized Derivatives: Warrants and Certifica	te Derivatives				
Notification if <1 average trade per business day in the previous year	ar	No					
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders			
Instinet Europe Limited	213800MXAKR2LA1VBM44	98.3%	99.1%	65%			

	Top 5 Venues: Wa	arrants, EEA Listings on	ly			
Class of Instrument		Securitized Derivatives	: Warrants and Certifica	te Derivatives		
Notification if <1 average trade per business day in the previous ye	ear	No				
Top five execution venues ranked in terms of traded volumes (descending order)	MIC	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
EURONEXT - EURONEXT PARIS	XPAR	46.0%	29.3%	29%	55%	5%
EURONEXT - EURONEXT AMSTERDAM	XAMS	18.2%	9.0%	24%	29%	0%
ELECTRONIC SHARE MARKET	MTAA	13.9%	19.1%	82%	13%	0%
NASDAQ STOCKHOLM AB	XSTO	13.9%	9.3%	20%	69%	0%
EURONEXT GROWTH PARIS	ALXP	6.3%	16.2%	31%	61%	2%

	Top 5 Venues: Other Instruments, Traded on a Trading Venue								
Class of Instrument Other Instruments									
Notification if <1 average trade per business day in the pre	vious year	No							
Top five execution venues ranked in terms of traded volumes (descending order)	MIC	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			
EURONEXT - EURONEXT AMSTERDAM	XAMS	16.4%	1.0%	40%	56%	41%			
IRISH STOCK EXCHANGE - MAIN SECURITIES MARKE	XMSM	3.4%	4.5%	24%	64%	76%			
EURONEXT - EURONEXT PARIS	XPAR	0.8%	0.0%	69%	31%	81%			
TURQUOISE EUROPE - DARK	TQEM	0.7%	0.2%	27%	39%	41%			
CITADEL CONNECT EUROPE - EU - SYSTEMATIC INT	EUCC	0.7%	0.1%	0%	100%	0%			

	Top 5 Brokers: Other Instruments, Traded on a Trading Venue							
Class of Instrument		Other Instruments						
Notification if <1 average trade per business day in the pre	evious year	No						
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders				
Instinet Europe Limited	213800MXAKR2LA1VBM44	75.5%	92.1%	5%				

Top 5 Venues: Other Instruments, EEA Listings only								
Class of Instrument		Other Instruments						
Notification if <1 average trade per business day in the pre	evious year	No						
Top five execution venues ranked in terms of traded volumes (descending order)	MIC	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		
EURONEXT - EURONEXT AMSTERDAM	XAMS	56.4%	8.2%	40%	57%	41%		
IRISH STOCK EXCHANGE - MAIN SECURITIES MARK	XMSM	11.8%	39.7%	24%	64%	76%		
EURONEXT - EURONEXT PARIS	XPAR	2.9%	0.3%	69%	31%	81%		
TURQUOISE EUROPE - DARK	TQEM	2.6%	1.3%	27%	39%	41%		
CITADEL CONNECT EUROPE - EU - SYSTEMATIC INT	EUCC	2.6%	1.3%	0%	100%	0%		

Class of Instrument		Other Instruments					
Notification if <1 average trade per business day in the previous year		No					
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders			
Instinet Europe Limited	213800MXAKR2LA1VBM44	15.5%	30.5%	78%			

Top 5 Brokers: Bonds							
Class of Instrument		Debt Instruments: Bonds					
Notification if <1 average trade per business day in the previous year		No					
Top five brokers ranked in terms of traded volumes (descending order)	LEI	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 directed orders			
Instinet Europe Limited	213800MXAKR2LA1VBM44	100.0%	100.0%	61%			

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