

2018 MiFID II Reporting

Equity	Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
	Credit Suisse	23.13%	20.56%	N/A	N/A	0.00%
	Citibank	19.20%	19.63%	N/A	N/A	0.00%
	Scotiabank	12.93%	19.63%	N/A	N/A	0.00%
	JP Morgan	12.94%	18.69%	N/A	N/A	0.00%
	UBS	13.15%	15.89%	N/A	N/A	0.00%
	Notification if <1 average trade per business day in the previous year	Y				
Debt Instrument	Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
	Guy Butler	57.98%	55.56%	N/A	N/A	0.00%
	Goldman Sachs	29.57%	27.78%	N/A	N/A	0.00%
	Credit Suisse	12.45%	16.67%	N/A	N/A	0.00%
	Notification if <1 average trade per business day in the previous year	Y				
Interest Rate Derivatives	Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
	N/A	N/A	N/A	N/A	N/A	0.00%
	N/A	N/A	N/A	N/A	N/A	0.00%
	Notification if <1 average trade per business day in the previous year	N/A				
Exchange Traded Product	Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
	N/A	N/A	N/A	N/A	N/A	0.00%
	Notification if <1 average trade per business day in the previous year	N/A				
Equity Derivatives	Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
	Goldman Sachs	42.17%	38.09%	N/A	N/A	0.00%
	Credit Suisse	24.20%	33.33%	N/A	N/A	0.00%
	JP Morgan (London)	11.61%	12.71%	N/A	N/A	0.00%
	Citibank	22.03%	15.87%	N/A	N/A	0.00%
	Notification if <1 average trade per business day in the previous year	Y				
Commodity Derivatives	Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
	Citibank	100.00%	100.00%	N/A	N/A	0.00%
	Notification if <1 average trade per business day in the previous year	Y				