

Class of Instrument	Equities - Tick size liquidity band 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
Instinet DMA - 213800MXAKR2LA1VBM44	40.35%	26.17%	N/A	N/A	N/A
Royal Bank of Canada - Low Touch - TXDSU46SXBWIGJ8G8E98	39.02%	28.09%	N/A	N/A	N/A
Winterflood Securities - 8BRUP6V1DX3PIG2R0745	15.94%	5.42%	N/A	N/A	N/A
Jefferies - 58PU97L1C0WSRCWADL48	2.06%	8.59%	N/A	N/A	N/A
Investec - 2138007Z3U5GWDN3MY22	0.92%	1.06%	N/A	N/A	N/A

Class of Instrument	Equities - Tick size liquidity band 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
Instinet DMA - 213800MXAKR2LA1VBM44	49.79%	35.44%	N/A	N/A	N/A
Royal Bank of Canada - Low Touch - TXDSU46SXBWIGJ8G8E98	48.39%	32.87%	N/A	N/A	N/A
Winterflood Securities - 8BRUP6V1DX3PIG2R0745	0.91%	0.58%	N/A	N/A	N/A
Jefferies - 58PU97L1C0WSRCWADL48	0.35%	29.60%	N/A	N/A	N/A
Citigroup Global Markets Ltd UK - XKZZ2JZF41MRHTR1V493	0.28%	1.31%	N/A	N/A	N/A

Class of Instrument	Equities - Tick size liquidity band 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
Instinet DMA - 213800MXAKR2LA1VBM44	56.06%	38.01%	N/A	N/A	N/A
Royal Bank of Canada - Low Touch - TXDSU46SXBWIGJ8G8E98	42.02%	25.78%	N/A	N/A	N/A
Winterflood Securities - 8BRUP6V1DX3PIG2R0745	0.81%	8.84%	N/A	N/A	N/A
Jefferies - 58PU97L1C0WSRCWADL48	0.54%	12.70%	N/A	N/A	N/A
Instinet - 213800MXAKR2LA1VBM44	0.26%	4.00%	N/A	N/A	N/A

Class of Instrument	Debt instruments - Bonds				
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
Citigroup Global Markets Ltd UK FI - XKZZ2JZF41MRHTR1V493	57.92%	55.54%	N/A	N/A	N/A
Royal Bank of Canada - FI TSOX - TXDSU46SXBWIGJ8G8E98	20.33%	17.04%	N/A	N/A	N/A
Winterflood Securities - 8BRUP6V1DX3PIG2R0745	16.95%	11.84%	N/A	N/A	N/A
Royal Bank of Canada - FI TSOX - TXDSU46SXBWIGJ8G8E98	3.78%	11.66%	N/A	N/A	N/A
Jefferies Fixed Interest - 58PU97L1C0WSRCWADL48	0.66%	3.18%	N/A	N/A	N/A

Class of Instrument	Exchange traded products - Exchange traded funds				
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
Instinet DMA - 213800MXAKR2LA1VBM44	51.12%	27.30%	N/A	N/A	N/A
Royal Bank of Canada - Low Touch - TXDSU46SXBWIGJ8G8E98	44.03%	28.77%	N/A	N/A	N/A
Winterflood Securities - 8BRUP6V1DX3PIG2R0745	4.16%	14.52%	N/A	N/A	N/A
ITG - 213800EEC95PRUCEUP63	0.46%	28.35%	N/A	N/A	N/A
Royal Bank of Canada - High Touch - TXDSU46SXBWIGJ8G8E98	0.15%	1.00%	N/A	N/A	N/A