

<b>JonesTrading International Limited : Professional Client Best Execution Report</b>		
<b>Date Range : 1/ 1/18 - 12/31/18</b>		
<b>Class of Instrument : Equities</b>		
<b>Top five execution venues ranked in terms of trading volumes (decending order)</b>		<b>LEI</b>
Societe Generale SA		O2RNE8IBXP4R0TD8PU41
JonesTrading Institutional Services LLC		2138008JJ5PA8H5UIL69
Goldman Sachs International		W22LROWP2IHZNBB6K528
Louis Capital Markets UK LLP		213800KL2QZT2GQMQQ3
Investment Technology Group Limited		213800EEC95PRUCEUP63