Nomura Corporate Research and Asset Management Inc. Top Five Execution Venues for Classes of Financial Instruments For the 12 Months Ended December 31, 2019

Class of Instrument Notification if <1 average trade per business day in the previous year	Equities – Shares and Depository Receipts (Liquidity Bands 1 and 2) Not Applicable				
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 a percentage of total in that class	Percentage of Passive Orders	Percentage of Aggressive Orders	Percentage of directed orders
Penserra Securities LLC (LEI - 549300WY8ZBI168Y6Z05)	46.94%	63.21%	0.00%	0.00%	0.00%
Stifel Nicolaus & Company Incorporated (LEI - 5WUVMA08EYG4KEUPW589)	9.13%	2.47%	0.00%	0.00%	0.00%
Citigroup Global Markets Inc. (LEI - MBNUM2BPBDO7JBLYG310)	5.88%	22.74%	0.00%	0.00%	0.00%
Cowen and Company LLC (LEI - 549300WR155U7DVMIW58)	1.18%	2.68%	0.00%	0.00%	0.00%
Deutsche Bank Securities Inc. (LEI - 9J6MBOOO7BECTDTUZW19)	0.77%	0.07%	0.00%	0.00%	0.00%

Class of Instrument	Equities – Other (Private)				
Notification if <1 average	Not Applicable				
trade per business day in the					
previous year					
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 a percentage of total in that class	Percentage of Passive Orders	Percentage of Aggressive Orders	Percentage of directed orders
Merrill Lynch, Pierce, Fenner & Smith Incorporated (LEI - 8NAV47T0Y26Q87Y0QP81)	27.70%	2.74%	0.00%	0.00%	0.00%

Imperial Capital LLC (LEI - 549300I8X15KSI64Y307)	3.87%	0.20%	0.00%	0.00%	0.00%
Citigroup Global Markets Inc. (LEI - MBNUM2BPBDO7JBLYG310)	2.03%	4.55%	0.00%	0.00%	0.00%
Jefferies Leveraged Credit Products, LLC (LEI - SD2WHB6KCKNBO8F61R35)	1.12%	0.07%	0.00%	0.00%	0.00%
Seaport Global Securities LLC (LEI - 54930028D6D0G5RZJ888)	0.61%	0.40%	0.00%	0.00%	0.00%

Class of Instrument	Debt Instruments - Bonds			
Notification if <1 average trade per	Not Applicable			
business day in the previous year				
	Proportion of	Proportion of		
	volume traded as	orders executed	Percentage of	
Top five execution venues ranked	a percentage of	as a percentage of	directed	
in terms of trading volumes	total in that class	total in that class	orders	
J.P. Morgan Securities LLC	10.97%	9.70%	0.00%	
(LEI: ZBUT11V806EZRVTWT807)	10.97%	9.70%	0.00%	
Merrill Lynch, Pierce, Fenner & Smith				
Inc.	10.28%	10.84%	0.00%	
(LEI: 8NAV47T0Y26Q87Y0QP81))				
Citigroup Global Markets Inc.	10 220/	10.000/	0.000/	
(LEI - MBNUM2BPBDO7JBLYG310)	10.23%	10.98%	0.00%	
Morgan Stanley & Co. LLC	9.59%	10.95%	0.00%	
(LEI - 9R7GPTSO7KV3UQJZQ078)	3.33%	10.95%	0.00%	
Goldman Sachs & Co. LLC	7.63%	8.77%	0.00%	
(LEI - FOR8UP27PHTHYVLBNG30)	7.0370	5.7770	3.3070	

Class of Instrument	Currency Derivatives – Swaps, Forwards, and Other Currency Derivatives			
Notification if <1 average trade per business day in the previous year	Not Applicable			
business day in the previous year	Proportion of volume traded as orders executed Percentage of			
Top five execution venues ranked in terms of trading volumes	a percentage of total in that class	as a percentage of	directed orders	
in terms of traumg volumes	total in that class	total in that class	orders	
State Street Bank and Trust Company (LEI - 571474TGEMMWANRLN572)	51.16%	55.35%	0.00%	

UBS AG (LEI - L5B73Z7Y846FLWTQMU88)	3.86%	20.43%	0.00%
Cooperatieve Rabobank U.A. (LEI - DG3RU1DBUFHT4ZF9WN62	0.46%	8.39%	0.00%

Class of Instrument	Other Instruments (Loans)				
Notification if <1 average trade per	Not Applicable				
business day in the previous year					
	Proportion of	Proportion of			
	volume traded as	orders executed	Percentage of		
Top five execution venues ranked	a percentage of	as a percentage of	directed		
in terms of trading volumes	total in that class	total in that class	orders		
Bank of America, National					
Association	16.78%	17.05%	0.00%		
(LEI - B4TYDEB6GKMZO031MB27)					
JPMorgan Chase Bank, National					
Association	13.57%	12.38%	0.00%		
(LEI - 7H6GLXDRUGQFU57RNE97)					
Credit Suisse Loan Funding LLC (LEI -	10.62%	11.86%	0.00%		
549300G6V8TX6EL60Y57)	10.02%	11.00/0	0.00%		
Goldman Sachs Bank USA	10.31%	9.48%	0.00%		
(LEI - KD3XUN7C6T14HNAYLU02)	10.31%	9.48%	0.00%		
Citibank N.A. (LEI -	0.60%	12.00%	0.000/		
E57ODZWZ7FF32TWEFA76)	9.60%	12.09%	0.00%		