PNC INVESTMENTS, LLC - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2022

PNC Investments LLC (PNCI) routes all "non-directed orders" to National Financial Services LLC (NFS) pursuant to a fully disclosed clearing agreement. NFS selects the execution venues for these orders on behalf of PNCI. Other than the clearing arrangement with NFS, PNCI does not have any arrangement with the execution venues listed and does not receive any payment for order flow. The order routing information contained in this report is provided by NFS.

October 2022

S&P 500 Stocks

Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non- Directed Orders		Marketable Limit Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders	
18,871	100.00	16,968	89.92	402	2.13	1,374	7.28	127	0.67	

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non- Marketable Limit Orders(%)	Other Orders	Other Orders(%)		•			Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Orders(cents per hundred	Paid/Receive d for Other	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities																		
LLC(CDRG)	6,636	28.52	6,062	36.47	127	33.51	388	10.44	59	2.31	1 () (0	C	C	0	0	0
VIRTU Americas,																		
LLC(NITE)	4,512	19.39	4,179	25.14	76	20.05	206	5.54	51	2.00	0 ()	0	O	C	0	0	0
G1 Execution Services,																		
LLC(ETMM)	4,174	17.94	3,887	23.39	97	25.59	184	4.95	6	0.24	4 (0	C	0	C	0	0	0
National Financial																		
Services LLC(XSTM)	2,410	10.36	2	0.01	. 0	0.00	C	0.00	2,408	94.43	3 (0	C	0	C	0	0	0
Jane Street Capital,																		
LLC(JNST)	2,375	10.21	2,254	13.56	38	10.03	83	2.23	0	0.00) () ((C	C	0	0	0
New York Stock Exchange(NYSE)	1,361	5.85	0	0.00	8	2.11	1,353	36.40	0	0.00) (C	C	C	0	0 0	0
NASDAQ Execution Services, LLC(NSDQ)	1,172	5.04	0	0.00	28	7.39	1,144	30.78	O	0.00) (C	C	0) 0	0
Cboe EDGX US Equities																		
Exchange(EDGX)	251	1.08	0	0.00	0	0.00	251	6.75	0	0.00) (0	C	C	0	0	0
Two Sigma Securities,																		
LLC(SOHO)	168	0.72	157	0.94	. 3	0.79	7	0.19	1	0.04	4 (0	C	C	C	0	0	0
UBS Securities,																		
LLC(UBSS)	97	0.42	79	0.48	2	0.53	6	0.16	10	0.39	9 (0	C	C	0	0	0

October 2022

Non-S&P 500

Stocks

Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market	Market Orders as % of Non- Directed Orders		Marketable Limit Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other	Other Orders as % of Non- Directed Orders
21,189	100.00	18,334	86.53	512	2.42	2,084	9.84	259	1.22

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non- Marketable Limit Orders(%)	Other Orders	Other Orders(%)		•	Marketable Limit	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Orders(cents per hundred	Paid/Receive d for Other	•
Citadel Securities																		
LLC(CDRG)	7,307	24.53	6,454	35.70	158	32.18	570	10.50	125	2.16	5 0	0	C	C	0	0	0	0
National Financial																		
Services LLC(XSTM)	5,356	17.98	0	0.00	C	0.00	0	0.00	5,356	92.50) c	0	0	C	0	0	C	0
VIRTU Americas,																		
LLC(NITE)	5,126	17.21	4,642	25.68	118	24.03	252	4.64	114	1.97	7 C	0	0	C	0	0	C	0
G1 Execution Services,																		
LLC(ETMM)	4,622	15.52	4,233	23.42	117	23.83	262	4.83	10	0.17	, c	0	C	C	0	0	0	0
Jane Street Capital,																		
LLC(JNST)	2,695	9.05	2,450	13.55	68	13.85	177	3.26	(0.00) C	0	C	C	0	0	0	0
NASDAQ Execution																		
Services, LLC(NSDQ)	1,364	4.58	0	0.00	9	1.83	1,355	24.97	(0.00) C	0	C	C	0	0	0	0
New York Stock																		
Exchange(NYSE)	1,268	4.26	0	0.00	7	1.43	1,261	23.24	(0.00) C	0	C	C	0	0	0	0
NYSE Arca(ARCA)	714	2.40	0	0.00	1	0.20	713	13.14	(0.00	0	0	C	C	0	0	0	0
Cboe EDGX US Equities																		
Exchange(EDGX)	493	1.66	0	0.00	C	0.00	493	9.08	(0.00	0	0	C	C	0	0	C	0
Two Sigma Securities, LLC(SOHO)	221	0.74	198	1.10	9	1.83	12	0.22		0.03	3 0	C		C	0	0	C	0

October 2022

Option Contracts

Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market	Market Orders as % of Non- Directed Orders		Marketable Limit Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other	Other Orders as % of Non- Directed Orders	
178	100.00	80	44.94	11	6.18	82	46.07	5	2.81	1

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non- Marketable Limit Orders(%)	Other Orders			Paid/Received for	Paid/Received for Marketable Limit	Orders(cents per hundred	Paid/Received for	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Receive d for Other	Paid/Received for
Citadel Securities																		
LLC(CDRG)	87	45.55	41	51.25	6	46.15	38	40.86	2	40.00	0	0	(o c	0	0	0
Wolverine Execution																		
Services LLC(WEXX)	37	19.37	3	3.75	0	0.00	34	36.56	0	0.00	0	0	(o c	0	0	0
Susquehanna Capital																		
Group(SUSQ)	31	16.23	23	28.75	3	23.08	3	3.23	2	40.00	0	0	(C	0	0	0
Dash Financial																		
Technologies LLC(DASH)	28	14.66	10	12.50	4	30.77	13	13.98	1	20.00	0	0	() c	0	0	0
Morgan Stanley &																		
Company LLC(MSCO)	8	4.19	3	3.75	0	0.00	5	5.38	0	0.00	0	0	(0	0	0	0

November 2022

S&P 500 Stocks

Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non- Directed Orders		Marketable Limit Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders
19,336	100.00	17,558	90.80	338	1.75	1,282	6.63	158	0.82

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non- Marketable Limit Orders(%)	Other Orders	Other Orders(%)		Paid/Received for			Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Orders(cents per hundred	-	-
Citadel Securities																		
LLC(CDRG)	6,576	28.13	6,098	35.45	102	31.58	276	8.30	100	3.95	0	0	(0	0	0	0	0
VIRTU Americas,																		
LLC(NITE)	5,019	21.47	4,709	27.38	89	27.55	180	5.42	41	1.62	. 0	0	(0	0	0	0	0
G1 Execution Services,																		
LLC(ETMM)	4,010	17.15	3,793	22.05	66	20.43	147	4.42	4	0.16	0	0	(0	0	0	0	0
Jane Street Capital,																		
LLC(JNST)	2,475	10.59	2,322	13.50	35	10.84	118	3.55	0	0.00	0	0	(0	0	0	0	0
National Financial																		
Services LLC(XSTM)	2,351	10.06	0	0.00	0	0.00	0	0.00	2,351	92.89	0	0	(0	0	0	0	0
New York Stock																		
Exchange(NYSE)	1,160	4.96	0	0.00	8	2.48	1,152	34.66	0	0.00	0	0	(0	0	0	0	0
NASDAQ Execution																		
Services, LLC(NSDQ)	1,120	4.79	0	0.00	20	6.19	1,100	33.09	0	0.00	0	0	(0	0	0	0	0
Cboe EDGX US Equities																		
Exchange(EDGX)	239	1.02	0	0.00	0	0.00	239	7.19	0	0.00	0	0	(0	0	0	0	0
Two Sigma Securities,																		
LLC(SOHO)	171	0.73	160	0.93	3	0.93	7	0.21	1	0.04	0	0	(0	0	0	0	0
UBS Securities,																		
LLC(UBSS)	110	0.47	93	0.54	0	0.00	5	0.15	12	0.47	0	0	(0	0	0	0	0

November 2022

Non-S&P 500

Stocks

Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market	Market Orders as % of Non- Directed Orders		Marketable Limit Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other	Other Orders as % of Non- Directed Orders
23,267	100.00	20,282	87.17	566	2.43	2,233	9.60	186	0.80

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non- Marketable Limit Orders(%)		Other Orders(%)		Paid/Received for	Paid/Received for Marketable Limit	for Marketable Limit	Paid/Received for	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Receive d for Other	Paid/Received for
Citadel Securities																		
LLC(CDRG)	7,672	23.79	6,954	34.90	197	36.89	410	7.38	111	1.78	0	0	(0	o	C	
VIRTU Americas,																		
LLC(NITE)	5,907	18.32	5,432	27.26	147	27.53	263	4.73	65	1.04	0	0	(0	0	C	(
National Financial																		
Services LLC(XSTM)	5,874	18.21	0	0.00	0	0.00	(0.00	5,874	94.27	0	0	(0	0	C	(
G1 Execution Services,																		
LLC(ETMM)	4,669	14.48	4,403	22.10	83	15.54	182	3.27	1	0.02	. 0	0	(0	0	C	(
Jane Street Capital,																		
LLC(JNST)	2,994	9.28	2,794	14.02	63	11.80	137	2.46	0	0.00	0	0	(0	0	C	

NASDAQ Execution																		
Services, LLC(NSDQ)	1,707	5.29)	0.00	21	3.93	1,686	30.33	0	0.00	0	0	0	0	0	0	0	0
New York Stock																		
Exchange(NYSE)	1,414	4.38	3	0.00	6	1.12	1,408	25.33	0	0.00	0	0	0	0	0	О	0	0
Cboe EDGX US Equities																		
Exchange(EDGX)	620	1.92	!	0.00	0	0.00	620	11.16	0	0.00	0	0	0	0	0	0	0	0
NYSE Arca(ARCA)	504	1.56	6	0.00	0	0.00	504	9.07	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities,																		
LLC(SOHO)	224	0.69	19	0.98	10	1.87	17	0.31	2	0.03	0	0	0	0	0	О	0	0

November 2022

Option Contracts

Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non- Directed Orders		Marketable Limit Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders	
146	100.00	76	52.05	7	4.79	60	41.10	3	2.05	

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non- Marketable Limit Orders(%)	Other Orders	Other Orders(%)	d for Market	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Paid/Received for Marketable Limit		_		Paid/Receive	
Citadel Securities																		
LLC(CDRG)	70	45.75	38	50.00	2	50.00	28	40.00	2	66.67	7 C	0)	o c	0) (0
Susquehanna Capital																		
Group(SUSQ)	25	16.34	21	27.63	1	25.00	2	2.86	1	33.33	g c	0		o c	0) (0
Wolverine Execution																		
Services LLC(WEXX)	25	16.34	0	0.00	1	25.00	24	34.29	С	0.00) C	0) (0) ()) (0
Dash Financial Technologies LLC(DASH)	18	11.76	9	11.84	0	0.00	g	12.86	C	0.00) 0							0
Morgan Stanley &																		
Company LLC(MSCO)	15	9.80	8	10.53	0	0.00	7	7 10.00		0.00) (0) () C) () () (0

December 2022

S&P 500 Stocks

Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non- Directed Orders				Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders
19,460	100.00	17,812	91.53	325	1.67	1,196	6.15	127	0.65

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non- Marketable Limit Orders(%)	Other Orders	Orders(%)	d for Market	Paid/Received for	Paid/Received for Marketable Limit	for Marketable Limit	Paid/Received for	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Paid/Receive d for Other	Paid/Received for
Citadel Securities																		
LLC(CDRG)	6,670	28.14	6,252	35.90	111	36.04	245	7.58	62	2.25	0	0	C)	0	0	0	0
VIRTU Americas,																		
LLC(NITE)	4,966	20.95	4,667	26.80	65	21.10	187	5.79	47	1.71	٥ (0	C)	o c		0	0

G1 Execution Services,																	
LLC(ETMM)	4,424	18.66	4,189	24.05	71	23.05	160	4.95	4	0.15	0	0	0	0	0	0 0	0
National Financial																	
Services LLC(XSTM)	2,604	10.99	0	0.00	0	0.00	0	0.00	2,604	94.69	0	0	0	0	0	0 0	0
Jane Street Capital,																	
LLC(JNST)	2,046	8.63	1,941	11.14	31	10.06	74	2.29	0	0.00	0	0	0	0	0	0 0	0
New York Stock																	
Exchange(NYSE)	1,345	5.67	0	0.00	4	1.30	1,341	41.50	0	0.00	0	0	0	0	0	0 0	0
NASDAQ Execution																	
Services, LLC(NSDQ)	947	3.99	0	0.00	22	7.14	925	28.63	0	0.00	0	0	0	0	0	0 0	0
Cboe EDGX US Equities																	
Exchange(EDGX)	218	0.92	0	0.00	0	0.00	218	6.75	0	0.00	0	0	0	0	0	0 0	0
Two Sigma Securities,																	
LLC(SOHO)	205	0.86	193	1.11	3	0.97	9	0.28	0	0.00	0	0	0	0	0	0 0	0
UBS Securities,																	
LLC(UBSS)	116	0.49	99	0.57	0	0.00	3	0.09	14	0.51	0	0	0	0	0	0 0	0

December 2022

Non-S&P 500

Stocks

Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market	Market Orders as % of Non- Directed Orders		Marketable Limit Orders as % of Non- Directed Orders		Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders
24,674	100.00	21,790	88.31	539	2.18	2,162	8.76	183	0.74

Venues

Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non- Marketable Limit Orders(%)	Other Orders			Paid/Received for	Paid/Received for Marketable Limit		Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Orders(cents per hundred	Paid/Receive d for Other	
Citadel Securities																		
LLC(CDRG)	8,261	24.50	7,579	35.35	198	38.45	396	7.78	88	1.32	. 0	0) () c	0	0	. 0
National Financial																		
Services LLC(XSTM)	6,344	18.81	0	0.00	0	0.00	C	0.00	6,344	95.04	. 0	0) () c	0	0	. 0
VIRTU Americas, LLC(NITE)	6,226	18.46	5,730	26.72	128	24.85	289	5.68	79	1.18	0	0)) (0	0	0
G1 Execution Services, LLC(ETMM)	5,566	16.51	5,189	24.20	114	22.14	258	5.07	5	0.07	0	0) () (0	0	0
Jane Street Capital, LLC(JNST)	2,673	7.93	2,480	11.57	50	9.71	143	2.81	O	0.00	0	0) () (0	0	0
New York Stock Exchange(NYSE)	1,341	3.98	0	0.00	3	0.58	1,338	26.29	O	0.00	0	0) () (0	0	0
NASDAQ Execution Services, LLC(NSDQ)	1,340	3.97	0	0.00	9	1.75	1,331	26.15	O	0.00	0	0) () (0	0	0
Cboe EDGX US Equities Exchange(EDGX)	587	1.74	0	0.00	0	0.00	587	11.53	0	0.00	0	0)) (0	0	0
NYSE Arca(ARCA)	424	1.26	0	0.00	2	0.39	422	8.29	0	0.00	0	0) () (0	0	0	. 0
Two Sigma Securities, LLC(SOHO)	260	0.77	231	1.08	5	0.97	23	0.45	1	0.01	0	0)		0	0	0	0

December 2022

Option Contracts

Summary

Total Non-Directed Orders	Non-Directed Orders as % of All Orders	Total Market Orders	Market Orders as % of Non- Directed Orders				Non-Marketable Limit Orders as % of Non-Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders
91	100.00	56	61.54	5	5.49	25	27.47	5	5.49

venues																		
Venue - Non-directed Order Flow	Non-Directed Orders	Non-Directed Orders(%)	Market Orders	Market Orders(%)	Marketable Limit Orders	Marketable Limit Orders(%)	Non-Marketable Limit Orders	Non- Marketable Limit Orders(%)	Other Orders	Other Orders(%)		-	Paid/Received for Marketable Limit		Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Orders(cents per hundred	Paid/Receive d for Other	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities																		
LLC(CDRG)	37	38.14	21	36.84	1 2	50.00	1	3 41.94	1	20.00	0	0	0	o c	0	o o	0	0
Susquehanna Capital																		
Group(SUSQ)	24	24.74	20	35.09	1	25.00	(0.00	3	60.00	0	0	(C	0	0	0	0
Dash Financial Technologies LLC(DASH)	16	16.49		i 10.53		25.00		8 25.81		20.00								
	16	10.49	В	10.53)	25.00		0 25.61		20.00	, ,	U	,		U	0	, 0	0
Wolverine Execution			_				_											
Services LLC(WEXX)	15	15.46	5	8.77	(0.00	10	0 32.26	6	0.00	0	0	C) C	0	C	0	0
Morgan Stanley &																		
Company LLC(MSCO)	5	5.15	5	8.77	7	0.00		0.00) (0.00	0	0	(0	0	0	0	1 0