

# PCPT - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2022

October 2022

## S&P 500 Stocks

### Summary

Non-Directed Orders as % of All 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	Other Orders as % of Non-Directed Orders
100.00	2.88	16.43	79.74	0.95

### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Cboe EDGX Exchange, Inc.	33.11	0.00	11.73	39.10	0.00	0.00	0.0000	-391.19	-26.0082	2,868.95	14.1684	0.00	0.0000
CITADEL SECURITIES LLC	32.93	50.63	45.01	29.40	66.89	222.87	5.0000	921.81	5.0000	790.58	5.0000	13.00	4.4924
Two Sigma Securities, LLC	29.29	43.89	38.58	26.88	27.26	160.46	5.0000	818.84	5.0000	809.11	5.0000	11.80	5.0000
Virtu Americas, LLC	4.67	5.47	4.68	4.62	5.85	18.97	5.0000	81.70	5.0000	155.79	5.0000	1.98	4.9255

### Material Aspects:

Cboe EDGX Exchange, Inc.:  
PCI has not received customer orders as defined by SEC Rule 600(b)(30) during this reporting period. The order activity reported herein is based on orders received from other broker/dealers and routed by PCI. While this report has been prepared based on SEC Rule 606 metrics and methodology, this report should not be construed as a SEC Rule 606 report as prescribed by SEC Rule 606(a)(1). This report is for information purposes only and does not represent the routing of PCI's customer orders. PCI did receive payments for orders executed at this venue during this reporting period.

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Virtu Americas, LLC:

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October 2022

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All 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	Other Orders as % of Non-Directed Orders
100.00	4.65	20.62	73.74	0.99

Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	33.98	50.18	45.48	29.43	57.85	2,571.69	2.5375	10,744.03	2.9926	6,156.69	2.9828	306.46	3.2120
Cboe EDGX Exchange, Inc.	31.05	0.01	9.72	39.38	0.06	0.00	0.0000	-3,517.08	-12.9328	22,422.51	8.6299	0.00	0.0000
Two Sigma Securities, LLC	30.30	44.73	39.82	26.63	37.52	2,338.52	3.2968	9,460.59	3.0522	5,770.25	3.0755	127.64	2.4425
Virtu Americas, LLC	4.67	5.07	4.98	4.56	4.57	304.38	2.8172	1,097.28	3.2225	1,059.08	3.2129	1.64	0.4252

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## October 2022

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### Options

#### Summary

Non-Directed Orders as % of All 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	Other Orders as % of Non-Directed Orders
-	-	-	-	-

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)

## November 2022

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### S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All 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	Other Orders as % of Non-Directed Orders
100.00	2.59	15.94	79.71	1.76

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Cboe EDGX Exchange, Inc.	34.40	0.00	13.55	40.45	0.00	0.00	0.0000	-366.44	-22.9929	3,932.66	14.8295	0.00	0.0000
CITADEL SECURITIES LLC	32.72	49.69	43.48	29.21	68.99	118.98	4.9999	716.11	5.0000	876.81	5.0001	93.78	4.9665
Two Sigma Securities, LLC	28.42	46.14	38.31	25.89	27.67	115.09	5.0000	675.31	5.0000	817.22	5.0000	56.90	5.0000
Virtu Americas, LLC	4.46	4.17	4.66	4.45	3.34	4.83	5.0000	84.27	5.0000	125.09	5.0000	0.57	0.9018

#### Material Aspects:

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November 2022

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All 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	Other Orders as % of Non-Directed Orders
100.00	3.53	20.34	75.02	1.12

Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	33.16	50.04	44.22	28.88	65.99	2,297.94	2.4135	15,004.59	3.2490	7,487.65	3.2633	246.56	1.9303
Cboe EDGX Exchange, Inc.	32.81	0.02	11.42	40.64	0.26	0.00	0.0000	-7,304.98	-16.0318	24,869.50	8.2215	0.00	0.0000
Two Sigma Securities, LLC	29.53	45.18	39.71	26.04	29.11	2,190.65	2.5089	12,508.53	3.1893	6,574.89	3.0808	158.66	2.0477
Virtu Americas, LLC	4.49	4.76	4.65	4.44	4.64	278.96	3.5003	1,468.48	2.9014	1,078.44	3.1974	7.74	2.1428

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## Options

Non-Directed Orders as % of All 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	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
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## S&P 500 Stocks

Non-Directed Orders as % of All 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	Other Orders as % of Non-Directed Orders
100.00	2.57	17.07	79.04	1.32

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
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Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Cboe EDGX Exchange, Inc.	34.03	0.00	13.60	40.11	0.00	0.00	0.0000	-339.36	-24.1160	2,793.18	14.7252	0.00	0.0000
CITADEL SECURITIES LLC	32.74	50.40	44.15	29.23	60.84	109.53	4.9998	724.06	5.0000	726.49	5.0000	80.06	4.9596
Two Sigma Securities, LLC	28.55	43.89	37.64	25.99	34.31	84.91	5.0000	693.60	5.0000	706.20	5.0000	89.45	4.9639
Virtu Americas, LLC	4.69	5.71	4.61	4.67	4.86	10.15	5.0000	80.22	5.0000	97.56	5.0000	4.68	4.7196

Material Aspects:

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December 2022

Non-S&P 500 Stocks

Summary

Non-Directed Orders as % of All 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	Other Orders as % of Non-Directed Orders
100.00	3.23	20.94	74.92	0.91

Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Cboe EDGX Exchange, Inc.	32.98	0.00	11.79	40.72	0.07	0.00	0.0000	-6,427.65	-14.7206	27,108.22	6.9372	0.00	0.0000
CITADEL SECURITIES LLC	32.87	49.82	44.77	28.48	60.40	1,589.72	1.4206	14,405.13	2.8810	7,949.15	2.7627	291.86	2.4178
Two Sigma Securities, LLC	29.48	45.10	38.78	26.15	34.32	1,525.33	1.3851	14,025.90	3.0301	7,150.11	2.8079	156.80	1.9638
Virtu Americas, LLC	4.67	5.08	4.66	4.65	5.22	158.39	1.4440	1,361.47	3.0616	1,200.39	3.0140	5.56	1.4160

Material Aspects:

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December 2022

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Options

Summary

Non-Directed Orders as % of All 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	Other Orders as % of Non-Directed Orders
-	-	-	-	-

Venues

Venue - Non- directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
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