National Financial Services (NFS), our clearing firm, has prepared this report for UnionBanc Investment Services LLC (UBIS) pursuant to U.S Securities and Exchange Commission Rule 606 which requires broker-dealer firms to make publicly available quarterly reports on their routing practices. This report provides information on the routing of "non-directed orders," which are any orders that the customer has not specifically instructed to be routed to a particular venue for execution. For these non-directed orders, UBIS transmits all customer orders to NFS, and NFS selects the execution venue on behalf of UBIS' customers. UBIS does not direct or Order Route any orders to any venues.

UBIS does not receive payment for order flow. Furthermore, UBIS does not have any material relationships with any of the venues identified below.

The report is divided into the following four sections: (1) Securities listed on the New York Stock Exchange; (2) Securities listed on the NASDAQ Stock Market; (3) Securities listed on NYSE, Amex or Regional Exchanges; and (4) Exchange listed options. For each section, this report identifies the venues most often selected by NFS and sets forth the percentage of various types of orders routed to the venues.

# UNIONBANC INVESTMENT SERVICES - Held NMS Stocks and Options Order Routing Public Report

# Generated on Fri Jul 08 2022 08:59:09 GMT-4 EDT

# 2nd Quarter, 2022

April 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	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non- Marketable Limit Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders									
1,773	100.00	1,369	77.21	142	8.01	225	12.69	37	2.09									
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 (%)	()Ther ()rders	Other Orders (%)	Net Payment Paid/ Received for Market Orders (USD)	for Market Orders (cents	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)	()rders (cents
Citadel Securities LLC(CDRG)	639	32.87	522	38.16	59	40.69	39	10.26	19	37.25	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	435	22.38	331	24.20	61	42.07	28	7.37	15	29.41	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	314	16.15	285	20.83	11	7.59	18	4.74	0	0.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	218	11.21	201	14.69	5	3.45	12	3.16	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	161	8.28	0	0.00	6	4.14	155	40.79	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	63	3.24	0	0.00	0	0.00	63	16.58	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	43	2.21	0	0.00	2	1.38	41	10.79	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	24	1.23	20	1.46	1	0.69	3	0.79	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	21	1.08	0	0.00	0	0.00	21	5.53	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	14	0.72	0	0.00	0	0.00	0	0.00	14	27.45	0	0	0	0	0	0	0	0

## April 2022

#### Non-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	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non- Marketable Limit Orders	% of Non- Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders									
1,989	100.00	1,578	79.34	90	4.52	288	14.48	33	1.66									
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 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 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(CDRG)	716	30.73	615	39.00	41	44.09	40	7.26	20	18.35	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	383	16.44	333	21.12	18	19.35	24	4.36	8	7.34	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	381	16.35	355	22.51	12	12.90	14	2.54	0	0.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	281	12.06	249	15.79	15	16.13	17	3.09	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	202	8.67	0	0.00	0	0.00	202	36.66	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	112	4.81	0	0.00	0	0.00	112	20.33	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	76	3.26	0	0.00	0	0.00	0	0.00	76	69.72	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	65	2.79	0	0.00	4	4.30	61	11.07	0	0.00	0	0	0	0	0	0	0	0
NYSE Arca(ARCA)	40	1.72	0	0.00	2	2.15	38	6.90	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	31	1.33	0	0.00	0	0.00	31	5.63	0	0.00	0	0	0	0	0	0	0	0

# April 2022

#### Option Contracts Summary

Summary Total Non-Directed Orders 64	Non-Directed Orders as % of All Orders 100.00	Total Market Orders 19	Market Orders as % of Non- Directed Orders 29.69	Total Marketable Limit Orders 6	Marketable Limit Orders as % of Non-Directed Orders 9.38	Total Non- Marketable Limit Orders 39	Non-Marketable Limit Orders as % of Non- Directed Orders 60.94	Total Other Orders 0	Other Orders as % of Non- Directed Orders 0.00									
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 (%)	Other 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(CDRG)	27	39.71	9	47.37	2	33.33	16	37.21	0	0.00	0	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)	18	26.47	0	0.00	0	0.00	18	41.86	0	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	9	13.24	7	36.84	1	16.67	1	2.33	0	0.00	0	0	0	0	0	0	0	0
Dash Financial Technologies LLC(DASH)	8	11.76	1	5.26	0	0.00	7	16.28	0	0.00	0	0	0	0	0	0	0	0
Morgan Stanley & Company LLC(MSCO)	6	8.82	2	10.53	3	50.00	1	2.33	0	0.00	0	0	0	0	0	0	0	0

## May 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	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non- Marketable Limit Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders	
1,672	100.00	1,350	80.74	95	5.68	192	11.48	35	2.09	
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 (%)	Other 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)	Paid/ Received for Other Orders (cents
Citadel Securities LLC(CDRG)	614	29.21	512	37.93	36	37.89	43	6.96	23	58.97	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	396	18.84	308	22.81	47	49.47	29	4.69	12	30.77	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	293	13.94	0	0.00	5	5.26	288	46.60	0	0.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	280	13.32	263	19.48	5	5.26	12	1.94	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	259	12.32	243	18.00	2	2.11	14	2.27	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE) Cboe EDGX US	164	7.80	0	0.00	0	0.00	164	26.54	0	0.00	0	0	0	0	0	0	0	0
Equities Exchange(EDGX)	51	2.43	0	0.00	0	0.00	51	8.25	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX) Two Sigma	15	0.71	0	0.00	0	0.00	15	2.43	0	0.00	0	0	0	0	0	0	0	0
Securities, LLC(SOHO)	13	0.62	11	0.81	0	0.00	2	0.32	0	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	13	0.62	13	0.96	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0

## May 2022

#### Non-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	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non- Marketable Limit Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders									
2,412	100.00	1,695	70.27	174	7.21	522	21.64	21	0.87									
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 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)	for Other
Citadel Securities LLC(CDRG)	920	30.13	659	38.92	74	41.57	172	17.64	15	7.25	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE) G1 Execution	461	15.10	362	21.38	46	25.84	48	4.92	5	2.42	0	0	0	0	0	0	0	0
Services, LLC(ETMM)	423	13.86	351	20.73	27	15.17	44	4.51	1	0.48	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	361	11.82	290	17.13	26	14.61	45	4.62	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	234	7.66	0	0.00	0	0.00	234	24.00	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	186	6.09	0	0.00	0	0.00	0	0.00	186	89.86	0	0	0	0	0	0	0	0
NYSE Arca(ARCA)	149	4.88	0	0.00	1	0.56	148	15.18	0	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	123	4.03	0	0.00	0	0.00	123	12.62	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	81	2.65	0	0.00	1	0.56	80	8.21	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	40	1.31	0	0.00	0	0.00	40	4.10	0	0.00	0	0	0	0	0	0	0	0

## May 2022

# Option Contracts

Summary Total Non-Directed Orders 16	Non-Directed Orders as % of All Orders 100.00	Total Market Orders 4	Market Orders as % of Non- Directed Orders 25.00	Total Marketable Limit Orders 0	Marketable Limit Orders as % of Non-Directed Orders 0.00	Total Non- Marketable Limit Orders 12	Non-Marketable Limit Orders as % of Non- Directed Orders 75.00	Total Other Orders 0	Other Orders as % of Non- Directed Orders 0.00									
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 (%)	()ther()rders	Other Orders (%)	Net Payment Paid/ Received for Market Orders (USD)	Net Payment Paid/ Received for Market Orders (cents per hundred shares)	Not Dovmont	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)	for Other
Wolverine Execution Services LLC(WEXX)	5	31.25	1	25.00	0	0.00	4	33.33	0	0.00	0	0	0	0	0	0	0	0
Citadel Securities LLC(CDRG) Dash Financial	4	25.00	1	25.00	0	0.00	3	25.00	0	0.00	0	0	0	0	0	0	0	0
Technologies LLC(DASH)	4	25.00	1	25.00	0	0.00	3	25.00	0	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	2	12.50	1	25.00	0	0.00	1	8.33	0	0.00	0	0	0	0	0	0	0	0
Morgan Stanley & Company LLC(MSCO)	1	6.25	0	0.00	0	0.00	1	8.33	0	0.00	0	0	0	0	0	0	0	0

#### June 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	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non- Marketable Limit Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders	
1,422	100.00	1,174	82.56	53	3.73	176	12.38	19	1.34	
Venues										

Venue - Non- directed Order Flow	Non-Directed Orders	Non- Directed Orders (%)	Market Orders	Market Orders (%)	Marketable Limit Orders	Marketable Limit Orders (%)		e Non-Marketable Limit Orders (%)	Other Orders	Other Orders (%)	Paid/	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)	for Other
Citadel Securities LLC(CDRG)	498	29.21	435	37.05	25	46.30	35	7.71	3	13.04	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	313	18.36	257	21.89	22	40.74	19	4.19	15	65.22	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	273	16.01	256	21.81	4	7.41	13	2.86	0	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	225	13.20	213	18.14	1	1.85	11	2.42	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	205	12.02	0	0.00	2	3.70	203	44.71	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE) Cboe EDGX US	90	5.28	0	0.00	0	0.00	90	19.82	0	0.00	0	0	0	0	0	0	0	0
Equities Exchange(EDGX)	58	3.40	0	0.00	0	0.00	58	12.78	0	0.00	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	24	1.41	0	0.00	0	0.00	24	5.29	0	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	11	0.65	10	0.85	0	0.00	1	0.22	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	4	0.23	0	0.00	0	0.00	0	0.00	4	17.39	0	0	0	0	0	0	0	0

#### June 2022

#### Non-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	Total Marketable Limit Orders	Marketable Limit Orders as % of Non-Directed Orders	Total Non- Marketable Limit Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Total Other Orders	Other Orders as % of Non- Directed Orders									
2,209	100.00	1,838	83.21	78	3.53	280	12.68	13	0.59									
Venues														Net Payment		Net Payment		
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 (%)	Other Orders	Other Orders (%)	Net Payment Paid/ Received for Market Orders (USD)	for Market	Net Payment Paid/ Received for Marketable Limit Orders (USD)	Paid/ Received for Marketable Limit Orders (cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders (USD)	Paid/ Received for Non- Marketable Limit Orders (cents per hundred shares)	Net Payment Paid/ Received for Other Orders (USD)	for Other
Citadel Securities LLC(CDRG) G1 Execution	705	27.34	613	33.35	22	28.57	66	10.96	4	6.45	0	0	0	0	0	0	0	0
Services, LLC(ETMM)	472	18.30	435	23.67	9	11.69	26	4.32	2	3.23	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	447	17.33	369	20.08	36	46.75	39	6.48	3	4.84	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	431	16.71	393	21.38	8	10.39	30	4.98	0	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	127	4.92	0	0.00	2	2.60	125	20.76	0	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	109	4.23	0	0.00	0	0.00	109	18.11	0	0.00	0	0	0	0	0	0	0	0
NYSE Arca(ARCA) Cboe EDGX US	103	3.99	0	0.00	0	0.00	103	17.11	0	0.00	0	0	0	0	0	0	0	0
Equities Exchange(EDGX)	72	2.79	0	0.00	0	0.00	72	11.96	0	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	49	1.90	0	0.00	0	0.00	0	0.00	49	79.03	0	0	0	0	0	0	0	0
Members Exchange(MEMX)	27	1.05	0	0.00	0	0.00	27	4.49	0	0.00	0	0	0	0	0	0	0	0

#### June 2022

## **Option Contracts**

Summary	Non-Directed	Total	Market Orders as %	Total	Marketable Limit	Total Non-	Non-Marketable		Other Orders									
Total Non-Direct	of All Orders	Market Orders	of Non- Directed Orders	Marketable Limit Orders	Orders as % of Non-Directed Orders	Marketable Limit Orders	Limit Orders as % of Non- Directed Orders	Total Other Orders	as % of Non- Directed Orders									
20	100.00	9	45.00	0	0.00	11	55.00	0	0.00									
Venues												Net Payment		Net Payment Paid/ Received	Net Payment	Net Payment		Net Payment
Venue - Non- directed Order Fl	Non-Directed ow Orders	Non- Directed Orders (%)	Market Orders	Market Orders (%)	Marketable Limit Orders	Marketable Limit Orders (%)	Non-Marketable Limit Orders	Non-Marketable Limit Orders (%)	<sup>e</sup> Other Orders )	Other Orders (%)	Net Payment Paid/ Received for Market Orders (USD)	Paid/ Received for Market Orders (cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders (USD)	for Marketable Limit Orders (cents per hundred shares)	Paid/ Received for Non- Marketable Limit Orders (USD)	Paid/ Received for Non- Marketable Limit Orders (cents per hundred shares)	Net Payment Paid/ Received for Other Orders (USD)	Paid/ Received for Other Orders (cents
Citadel Securities LLC(CDRG)	7	35.00	2	22.22	0	0.00	5	45.45	0	0.00	0	0	0	0	0	0	0	0
Dash Financial Technologies LLC(DASH)	6	30.00	3	33.33	0	0.00	3	27.27	0	0.00	0	0	0	0	0	0	0	0
Wolverine Execution Servico LLC(WEXX) Susquehanna	<b>es</b> 4	20.00	1	11.11	0	0.00	3	27.27	0	0.00	0	0	0	0	0	0	0	0
Capital Group(SUSQ)	3	15.00	3	33.33	0	0.00	0	0.00	0	0.00	0	0	0	0	0	0	0	0