SUCCESSIONSYSTEMS

R E F E R E N C E

Succession TripleCheck® FIX Specification

APPENDIX

US Equities Exchanges and ATS Venues

Revision 1.35

January 2022

Table of Contents

1 Overview

This document provides the information necessary for accessing the major US Equities Exchanges using the Succession TripleCheck® gateway system via the FIX 4.2 interface.

1.1 Associated Technical Specification

This document should be used in conjunction with the Succession TripleCheck® FIX Specification.

1.2 Support

For general questions, contact Succession Systems' information line at 1-844-SSYSTEM or email info@succession.systems.

For setup and configuration of the TripleCheck® gateway parameters and settings (including cancel on disconnect), troubleshooting and operational support, please email Succession Support at support@succession.systems.

2 Revision History

Revision	Date	Author(s)	Changes
1.35	2022/01/07	AGK	Documented FIS Fox River Electronic Strategies
1.34	2021/12/30	AGK	Documented tag 9416 (ExtendedExecInst) for Nasdaq BX which can be used to designate orders as “retail”.
1.33	2021/07/22	DHT	Added MEMX (Members Exchange). Documented Instinet tag 9280 (AllowReroute).
1.32	2021/06/29	AGK	Added IEX (the Investors Exchange)
1.31	2020/10/22	DHT	Added NYSE (Pillar) and NYSE American (Pillar), marked NYSE CCG as a legacy protocol.
1.30	2020/08/24	DHT	Added Hudson River Trading and Jane Street JX
1.29	2020/03/18	AGK	Added Clearpool and OTC Link ECN
1.28	2020/01/05	AGK	Added Lynx and SpeedRoute
1.27	2019/11/20	AGK	Added Instinet’s North American Equities. Documented the use of CODA’s tag 7800.
1.26	2019/08/03	AGK	Added CODA Markets
1.25	2019/06/20	AGK	Added destination codes and supported tags for NYSE Third-Party Algo parent orders and Broker Algo eQuotes (child orders)
1.24	2018/11/23	AGK	Added a revision history section

3 Exchange and ATS Destinations

3.1 Valid ExDestination (Tag 100) Field Values

The following values are currently supported:

Exchanges		
ExDestination (Tag 100) Values	**Description**	**Synonyms (Other Accepted Values)**
BATS	CBOE BATS BZX Exchange	BATSZ, BZX, BZXB
BYX	CBOE BATS BYX Exchange	BATSY, BATY, BYXX, BYXB
EDGA	CBOE EDGA Exchange	EDGAA, EDGAB, EDGAZ
EDGX	CBOE EDGX Exchange	EDGXX, EDGXB, EDGXZ
IEXG	IEX (Investors Exchange)	–
MEMX	MEMX (Members Exchange)	–
INET	NASDAQ Exchange	NSDQ
NQBX	NASDAQ OMX BX Exchange	BSX, BSX-FIX
NQPX	NASDAQ OMX PSX Exchange	PSX, PSX-FIX
NYSE	NYSE Exchange (Pillar)	NYX, XNYS
ARCA	NYSE ARCA Exchange (Pillar)	ARCX, ARCE, ARCP
XASE	NYSE American Equities (Pillar)	–
NCCG	NYSE Exchange (Legacy / CCG)	–
N3PP	NYSE Third-Party Algo (Parent Orders)	–
N3PA	NYSE Third-Party Algo eQuotes (Child Orders)	–

ATS Venues		
ExDestination (Tag 100) Values	**Description**	**Synonyms (Other Accepted Values)**
CPEM	Clearpool Group	CPEX
CODA	CODA Markets ATS	PDQ
VAES	FIS Fox River Electronic Strategies	–

ATS Venues		
HRTX	Hudson River Trading Single Dealer Platform (SDP)	HRT
INCA	Instinet North-American Equity Trading Solutions	–
JSJX	Jane Street Capital JX System	–
LYNX	Lynx Capital	–
OTCX	OTC Link ECN	–
SPDR	SpeedRoute	–

4 Exchange-Specific Field Values

4.1 CBOE BATS BZX Exchange

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>BATS</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>The following additional values are supported:
<table>
<tr><td>‘Q’</td><td>Market Maker Peg</td></tr>
<tr><td>‘U’</td><td>Supplemental Peg Order</td></tr>
<tr><td>‘m’</td><td>Midpoint Peg (same as ‘M’, but do not match when the NBBO is locked)</td></tr>
<tr><td>‘L’</td><td>Alternate Midpoint (less aggressive of midpoint and 1 tick inside NBBO)</td></tr>
<tr><td>‘r’</td><td>Late (for use with Auction Only orders – refer to the CBOE US Equities Auction Process specification for information)</td></tr>
<tr><td>‘o’</td><td>Listing Market Opening (for ‘ROOC’ strategy only)</td></tr>
<tr><td>‘c’</td><td>Listing Market Close (for ‘ROOC’ strategy only)</td></tr>
<tr><td>‘a’</td><td>Both Listing Market Open and Close (for ‘ROOC’ strategy only; also eligible for participation in halt auctions)</td></tr>
</table></td></tr>
<tr><td>9416</td><td>ExtendedExecInst</td><td>N</td><td>
<table>
<tr><td>‘N’</td><td>None</td></tr>
<tr><td>‘R’</td><td>Retail Order</td></tr>
</table></td></tr>
<tr><td>9479</td><td>DisplayIndicator</td><td>N</td><td>Re-pricing Options:
<table>
<tr><td>‘P’</td><td>Price Adjust</td></tr>
<tr><td>‘m’</td><td>Multiple Price Adjust</td></tr>
<tr><td>‘R’</td><td>Cancel back the order if it cannot be booked and displayed without adjustment</td></tr>
<tr><td>‘r’</td><td>Hidden, cancel back the order if it cannot be booked without adjustment</td></tr>
<tr><td>‘S’</td><td>Display Price Sliding (Default)</td></tr>
</table></td></tr>
</table>

Tag	Field Name	Req'd	Comments
			‘L’ — Display Price Sliding, but reject if order crosses the NBBO on entry ‘M’ — Multiple Display Price Sliding Other Options: ‘v’ — Visible (for visible peg orders only, others will be rejected) ‘I’ — Invisible (refer to section 5.4 for applicability to peg orders) ‘N’ — No Rescrape at Limit (applicable only to fully routable, IOC orders (*RoutingInst* = R and *TimeInForce* = 3). After walking the price to the limit, there will be no final scrape at CBOE and the cancel reason code will state X (Expired) rather than N (No Liquidity)
9303	RoutingInst	N	1st character: ‘B’ — Book Only (not routable, will remove from local book) ‘P’ — Post Only (not routable) ‘Q’ — Post Only at Limit (removes liquidity that improves upon limit price and up to *MaxRemovePct* of remaining *OrdQty* at limit price) ‘R’ — Routable (Default) ‘S’ — Super Aggressive – Cross or Lock (order will be removed from the book and routed to any away quote that is locking or crossing the order; may remove liquidity after posting) ‘X’ — Aggressive – Cross or Lock (order will be removed from the book and routed to any away quote that is locking or crossing the order) ‘K’ — Super Aggressive When Odd Lot (routable order will be automatically assigned Super Aggressive status when it becomes an odd lot) ‘A’ — Post to Away (a limit order that will post remainder

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><td></td><td>to an away venue specified in AltExDestination for applicable routing strategies)</td></tr>
<tr><td>‘N’</td><td>Non-Displayed Swap – Book only, Hidden order that may remove liquidity after posting (requires DisplayIndicator = I)</td></tr>
</table>
2nd character (for use with RoutStrategy (9400) = DIRC, TRIM, TRIM–, TRIM2, TRIM2–, SLIM, SLIM+ only):
<table>
<tr><td>‘D’</td><td>Eligible to route to DRT/CLC (Default)</td></tr>
<tr><td>‘L’</td><td>Route to displayed markets only</td></tr>
</table>
</td></tr>
<tr><td>9350</td><td>RouteDelivery Method</td><td>N</td><td>
<table>
<tr><td>‘RTI’</td><td>Route to Improve (Default)</td></tr>
<tr><td>‘RTF’</td><td>Route to Fill</td></tr>
</table>
Route to Improve: Ability to receive price improvement will take priority over speed of execution.

Route to Fill: Speed of execution will take priority over potential price improvement.

Only applicable to RoutStrategy(9400) = ROUT, ROUX, ROUE and ROOC
</td></tr>
<tr><td>9400</td><td>RoutStrategy</td><td>N</td><td>
<table>
<tr><td>‘ALLB’</td><td>Book + IOC Other CBOE Exchanges</td></tr>
<tr><td>‘DIRC’</td><td>Book + (CLC/DRT) + Directed IOC or Directed ISO if ExecInst (18) = f (AltExDestination must also be sent)</td></tr>
<tr><td>‘DRT’</td><td>Dark Routing Technique</td></tr>
<tr><td>‘INET’</td><td>Book + IOC/Day NASDAQ</td></tr>
<tr><td>‘LCPMC’</td><td>Low Cost Protected Market Centers</td></tr>
<tr><td>‘RDOT’</td><td>Book + (CLC/DRT) + IOC/Day NYSE</td></tr>
<tr><td>‘RDOX’</td><td>Book + IOC/Day NYSE</td></tr>
<tr><td>‘ROOC’</td><td>Listing Market Open + Book + (CLC/DRT) + Street + Listing Market Close[2]</td></tr>
<tr><td>‘ROUT’</td><td>Book + (CLC/DRT) + Street (Default)</td></tr>
<tr><td>‘ROUX’</td><td>Book + Street</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><td>‘ROUZ’</td><td>Book + (CLC/DRT)</td></tr>
<tr><td>‘SWPA’</td><td>ISO Sweep of All Protected Markets</td></tr>
<tr><td>‘SWPB’</td><td>ISO Sweep of All Protected Markets (cancelled back if order quantity insufficient to clear all protected quotes)</td></tr>
<tr><td>‘TRIM’</td><td>BZX + BYX + NASDAQ BX + EDGA + IEX + (DRT) + NYSE</td></tr>
<tr><td>‘TRIM–’</td><td>BYX[1] + NASDAQ BX + EDGA + IEX + (DRT) + NYSE</td></tr>
<tr><td>‘TRIM2’</td><td>BZX + BYX + (DRT) + NASDAQ BX + EDGA + IEX</td></tr>
<tr><td>‘TRIM2–’</td><td>BYX[1] + (DRT) + NASDAQ BX + EDGA + IEX</td></tr>
<tr><td>‘SLIM’</td><td>BZX + BYX + LCPMC + (DRT) + LCPMC + All other protected markets</td></tr>
<tr><td>‘SLIM+’</td><td>BYX[1] + BZX + LCPMC + (DRT) + LCPMC + All other protected markets</td></tr>
</table>

[1]Route to BYX prior to scraping BZX unless price improvement is available
[2]Can be used with ExecInst(18) = a, c, or o to specify listing market opening/closing eligibility
</td></tr>
<tr><td>5980</td><td>AltExDestination</td><td>N</td><td>
Specifies the designated away venue for RoutStrategy (9400) = DIRC or CLNK. Also used in conjunction with RoutingInst (9303) = A (Post to Away) and RoutStrategy (9400) = ROUT, ROUX, or ROUE to specify where order is to be posted.
<table>
<tr><td>‘A’</td><td>NYSE American[1]</td></tr>
<tr><td>‘B’</td><td>NASDAQ BX[1]</td></tr>
<tr><td>‘C’</td><td>NYSE National</td></tr>
<tr><td>‘I’</td><td>Investors Exchange[1]</td></tr>
<tr><td>‘J’</td><td>EDGA[1]</td></tr>
<tr><td>‘K’</td><td>EDGX[1,2]</td></tr>
<tr><td>‘M’</td><td>CHX</td></tr>
<tr><td>‘N’</td><td>NYSE[1]</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><td>‘P’</td><td>NYSEArca[1]</td></tr>
<tr><td>‘Q’</td><td>NASDAQ[1]</td></tr>
<tr><td>‘X’</td><td>NASDAQ PSX</td></tr>
<tr><td>‘Y’</td><td>BYX[1]</td></tr>
<tr><td>‘Z’</td><td>BZX[1]</td></tr>
</table>

[1]Post to Away option available for ROUT, ROUX, and ROUE only
[2]Post to EDGX (for ROUT, ROUD, ROUE, ROUX, ROUZ, ROUQ, RDOT, RDOX, ROBB, ROCO, INET)
</td></tr>
<tr><td>8020</td><td>DisplayRange</td><td>N</td><td>Used for random replenishment of Reserve Orders. The specified value establishes a range of possible values for the shares that are to be displayed. For example, if MaxFloor = 2000 and the DisplayRange = 200, the displayed quantity will be selected randomly from any of the following values: 1800, 1900, 2000, 2100 and 2200. Note that the value specified must be less than the value specified for MaxFloor.</td></tr>
<tr><td>9618</td><td>MaxRemovePct</td><td>N</td><td>For RoutingInst(9303) = Q. The percent of the order quantity which remains after price improvement that may be removed at the limit price.

<u>Integer 0-100</u>
<table>
<tr><td>0</td><td>Do not remove any shares at limit price</td></tr>
<tr><td>1–99</td><td>Remove specified percentage of remainder at the limit</td></tr>
<tr><td>100</td><td>Remove any amount at limit price</td></tr>
</table>
</td></tr>
</table>

4.2 CBOE BATS BYX Exchange

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>BYX</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>The following additional values are supported:
<table>
<tr><td>‘Q’</td><td>Market Maker Peg</td></tr>
<tr><td>‘U’</td><td>Supplemental Peg Order</td></tr>
<tr><td>‘m’</td><td>Midpoint Peg (same as ‘M’, but do not match when the NBBO is locked)</td></tr>
<tr><td>‘L’</td><td>Alternate Midpoint (less aggressive of midpoint and 1 tick inside NBBO)</td></tr>
</table></td></tr>
<tr><td>9416</td><td>ExtendedExecInst</td><td>N</td><td>
<table>
<tr><td>‘N’</td><td>None</td></tr>
<tr><td>‘R’</td><td>Retail Order</td></tr>
<tr><td>‘P’</td><td>Retail Order (Price Improvement Only)</td></tr>
<tr><td>‘T’</td><td>Retail Price Improving Order</td></tr>
</table></td></tr>
<tr><td>9479</td><td>DisplayIndicator</td><td>N</td><td>Re-pricing Options:
<table>
<tr><td>‘P’</td><td>Price Adjust</td></tr>
<tr><td>‘m’</td><td>Multiple Price Adjust</td></tr>
<tr><td>‘R’</td><td>Cancel back the order if it cannot be booked and displayed without adjustment</td></tr>
<tr><td>‘r’</td><td>Hidden, cancel back the order if it cannot be booked without adjustment</td></tr>
<tr><td>‘S’</td><td>Display Price Sliding (Default)</td></tr>
<tr><td>‘L’</td><td>Display Price Sliding, but reject if order crosses the NBBO on entry</td></tr>
<tr><td>‘M’</td><td>Multiple Display Price Sliding</td></tr>
</table>
Other Options:
<table>
<tr><td>‘v’</td><td>Visible (for visible peg orders only, others will be rejected)</td></tr>
<tr><td>‘I’</td><td>Invisible (refer to section 5.4 for applicability to</td></tr>
</table></td></tr>
</table>

Tag	Field Name	Req'd	Comments	
				peg orders)
			‘N’	No Rescrape at Limit (applicable only to fully routable, IOC orders (*RoutingInst* = R and *TimeInForce* = 3). After walking the price to the limit, there will be no final scrape at CBOE and the cancel reason code will state X (Expired) rather than N (No Liquidity)
9303	RoutingInst	N	1st character:	
			‘B’	Book Only (not routable, will remove from local book)
			‘P’	Post Only (not routable)
			‘Q’	Post Only at Limit (removes liquidity that improves upon limit price and up to *MaxRemovePct* of remaining *OrdQty* at limit price)
			‘R’	Routable (Default)
			‘S’	Super Aggressive – Cross or Lock (order will be removed from the book and routed to any away quote that is locking or crossing the order; may remove liquidity after posting)
			‘X’	Aggressive – Cross or Lock (order will be removed from the book and routed to any away quote that is locking or crossing the order)
			‘K’	Super Aggressive When Odd Lot (routable order will be automatically assigned Super Aggressive status when it becomes an odd lot)
			‘A’	Post to Away (a limit order that will post remainder to an away venue specified in *AltExDestination* for applicable routing strategies)
			‘N’	Non-Displayed Swap – Book only, Hidden order that may remove liquidity after posting (requires *DisplayIndicator* = I)
			2nd character (for use with RoutStrategy (9400) = DIRC, TRIM, TRIM2, SLIM only):	
			‘D’	Eligible to route to DRT/CLC (Default)

Tag	Field Name	Req'd	Comments
			‘L’ Route to displayed markets only
9350	RouteDelivery Method	N	‘RTI’ Route to Improve (Default) ‘RTF’ Route to Fill *Route to Improve*: Ability to receive price improvement will take priority over speed of execution. *Route to Fill*: Speed of execution will take priority over potential price improvement. Only applicable to *RoutStrategy*(9400) = ROUT, ROUX, ROUE and ROOC
9400	RoutStrategy	N	‘ALLB’ Book + IOC Other CBOE Exchanges ‘DIRC’ Book + Midpoint IOC IEX (also requires *OrdType* = P, *ExecInst* (18) = M or m, and Alt*ExDestination* = I) ‘DRT’ Dark Routing Technique ‘INET’ Book + IOC/Day NASDAQ ‘LCPMC’ Low Cost Protected Market Centers ‘RDOT’ Book + (CLC/DRT) + IOC/Day NYSE ‘RDOX’ Book + IOC/Day NYSE ‘RMPL’ Book + Midpoint IOC RMPT Venues + Midpoint IOC RMPL Venues + Post to Local Book if non-IOC (must be used in conjunction with Midpoint Peg order type) ‘RMPT’ Book + Midpoint IOC Select (CLC/DRT/Lit Venues) + Post to Local Book if non-IOC (must be used in conjunction with Midpoint Peg order type) ‘ROUT’ Book + (CLC/DRT) + Street (Default) ‘ROUX’ Book + Street ‘ROUZ’ Book + (CLC/DRT) ‘SWPA’ ISO Sweep of All Protected Markets ‘SWPB’ ISO Sweep of All Protected Markets (cancelled

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td><table>
<tr><td></td><td>back if order quantity insufficient to clear all protected quotes)</td></tr>
<tr><td>‘TRIM’</td><td>BYX + NASDAQ BX + EDGA + IEX + (DRT) + NYSE + BZX</td></tr>
<tr><td>‘TRIM2’</td><td>BYX+ (DRT) + NASDAQ BX + EDGA + IEX</td></tr>
<tr><td>‘SLIM’</td><td>BYX + LCPMC + (DRT) + LCPMC + All other protected markets</td></tr>
</table></td></tr>
<tr><td>5980</td><td>AltExDestination</td><td>N</td><td>Specifies the designated away venue for RoutStrategy (9400) = DIRC or CLNK. Also used in conjunction with RoutingInst (9303) = A (Post to Away) and RoutStrategy (9400) = ROUT, ROUX, or ROUE to specify where order is to be posted.

<table>
<tr><td>‘A’</td><td>NYSE American[1]</td></tr>
<tr><td>‘B’</td><td>NASDAQ BX[1]</td></tr>
<tr><td>‘C’</td><td>NYSE National</td></tr>
<tr><td>‘I’</td><td>Investors Exchange[1]</td></tr>
<tr><td>‘J’</td><td>EDGA[1]</td></tr>
<tr><td>‘K’</td><td>EDGX[1,2]</td></tr>
<tr><td>‘M’</td><td>CHX</td></tr>
<tr><td>‘N’</td><td>NYSE[1]</td></tr>
<tr><td>‘P’</td><td>NYSEArca[1]</td></tr>
<tr><td>‘Q’</td><td>NASDAQ[1]</td></tr>
<tr><td>‘X’</td><td>NASDAQ PSX</td></tr>
<tr><td>‘Y’</td><td>BYX[1]</td></tr>
<tr><td>‘Z’</td><td>BZX[1]</td></tr>
</table>
[1]Post to Away option available for ROUT, ROUX, and ROUE only
[2]Post to EDGX (for ROUT, ROUD, ROUE, ROUX, ROUZ, ROUQ, RDOT, RDOX, ROBB, ROCO, INET)</td></tr>
<tr><td>8020</td><td>DisplayRange</td><td>N</td><td>Used for random replenishment of Reserve Orders. The specified value establishes a range of possible values for the shares that are to be displayed. For example, if MaxFloor = 2000 and the DisplayRange = 200, the displayed</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td>quantity will be selected randomly from any of the following values: 1800, 1900, 2000, 2100 and 2200. Note that the value specified must be less than the value specified for MaxFloor.</td></tr>
<tr><td>9618</td><td>MaxRemovePct</td><td>N</td><td>For RoutingInst(9303) = Q. The percent of the order quantity which remains after price improvement that may be removed at the limit price.

<u>Integer 0-100</u>
<table>
<tr><td>0</td><td>Do not remove any shares at limit price</td></tr>
<tr><td>1–99</td><td>Remove specified percentage of remainder at the limit</td></tr>
<tr><td>100</td><td>Remove any amount at limit price</td></tr>
</table></td></tr>
</table>

4.3 CBOE EDGA Exchange

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>EDGA</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>The following additional values are supported:
<table>
<tr><td>‘Q’</td><td>Market Maker Peg</td></tr>
<tr><td>‘U’</td><td>Supplemental Peg Order</td></tr>
<tr><td>‘m’</td><td>Midpoint Peg (same as ‘M’, but do not match when the NBBO is locked)</td></tr>
<tr><td>‘L’</td><td>Alternate Midpoint (less aggressive of midpoint and 1 tick inside NBBO)</td></tr>
<tr><td>‘d’</td><td>Midpoint Discretionary Order</td></tr>
</table></td></tr>
<tr><td>9416</td><td>ExtendedExecInst</td><td>N</td><td>
<table>
<tr><td>‘N’</td><td>None</td></tr>
<tr><td>‘R’</td><td>Retail Order</td></tr>
</table></td></tr>
<tr><td>9479</td><td>DisplayIndicator</td><td>N</td><td>Re-pricing Options:
<table>
<tr><td>‘P’</td><td>Price Adjust</td></tr>
<tr><td>‘m’</td><td>Multiple Price Adjust</td></tr>
<tr><td>‘R’</td><td>Cancel back the order if it cannot be booked and displayed without adjustment</td></tr>
<tr><td>‘r’</td><td>Hidden, cancel back the order if it cannot be booked without adjustment</td></tr>
<tr><td>‘S’</td><td>Display Price Sliding (Default)</td></tr>
<tr><td>‘L’</td><td>Display Price Sliding, but reject if order crosses the NBBO on entry</td></tr>
<tr><td>‘M’</td><td>Multiple Display Price Sliding</td></tr>
</table>
Other Options:
<table>
<tr><td>‘v’</td><td>Visible (for visible peg orders only, others will be rejected)</td></tr>
<tr><td>‘I’</td><td>Invisible (refer to section 5.4 for applicability to peg orders)</td></tr>
</table></td></tr>
</table>

Tag	Field Name	Req'd	Comments	
			‘N’	No Rescrape at Limit (applicable only to fully routable, IOC orders (*RoutingInst* = R and *TimeInForce* = 3). After walking the price to the limit, there will be no final scrape at CBOE and the cancel reason code will state X (Expired) rather than N (No Liquidity)
9303	RoutingInst	N	1st character:	
			‘B’	Book Only (not routable, will remove from local book)
			‘P’	Post Only (not routable)
			‘R’	Routable (Default)
			‘S’	Super Aggressive – Cross or Lock (order will be removed from the book and routed to any away quote that is locking or crossing the order; may remove liquidity after posting)
			‘X’	Aggressive – Cross or Lock (order will be removed from the book and routed to any away quote that is locking or crossing the order)
			‘K’	Super Aggressive When Odd Lot (routable order will be automatically assigned Super Aggressive status when it becomes an odd lot)
			‘A’	Post to Away (a limit order that will post remainder to an away venue specified in *AltExDestination* for applicable routing strategies)
			‘N’	Non-Displayed Swap – Book only, Hidden order that may remove liquidity after posting (requires *DisplayIndicator* = I)
			2nd character (for use with RoutStrategy (9400) = DIRC only):	
			‘D’	Eligible to route to DRT/CLC (Default)
			‘L’	Route to displayed markets only
9350	RouteDelivery Method	N	‘RTI’	Route to Improve (Default)
			‘RTF’	Route to Fill

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td>Route to Improve: Ability to receive price improvement will take priority over speed of execution.

Route to Fill: Speed of execution will take priority over potential price improvement.

Only applicable to RoutStrategy(9400) = ROUT, ROUX, ROUE and ROOC</td></tr>
<tr><td>9400</td><td>RoutStrategy</td><td>N</td><td>
<table>
<tr><td>‘ALLB’</td><td>Book + IOC Other CBOE Exchanges</td></tr>
<tr><td>‘CLC’</td><td>Comprehensive Liquidity Check</td></tr>
<tr><td>‘CLNK’</td><td>Directed to Non-ATS Single Dealer Platform (SDP). Must be a limit IOC or Midpoint IOC order.</td></tr>
<tr><td>‘DIRC’</td><td>Book + Midpoint IOC IEX (also requires OrdType = P, ExecInst (18) = M or m, and AltExDestination = I)</td></tr>
<tr><td>‘INET’</td><td>Book + IOC/Day NASDAQ</td></tr>
<tr><td>‘LCPMC’</td><td>Low Cost Protected Market Centers</td></tr>
<tr><td>‘ROBB’</td><td>Book + IOC NASDAQ BX + IOC BYX</td></tr>
<tr><td>‘ROCO’</td><td>Book + IOC NASDAQ BX + IOC BYX + CLC</td></tr>
<tr><td>‘RDOT’</td><td>Book + (CLC/DRT) + IOC/Day NYSE</td></tr>
<tr><td>‘RDOX’</td><td>Book + IOC/Day NYSE</td></tr>
<tr><td>‘RMPL’</td><td>Book + Midpoint IOC RMPT Venues + Midpoint IOC RMPL Venues + Post to Local Book if non-IOC (must be used in conjunction with Midpoint Peg order type)</td></tr>
<tr><td>‘RMPT’</td><td>Book + Midpoint IOC Select (CLC/DRT/Lit Venues) + Post to Local Book if non-IOC (must be used in conjunction with Midpoint Peg order type)</td></tr>
<tr><td>‘ROUC’</td><td>Book + (CLC/DRT) + LCPMC + All Other Protected Markets + Posts to EDGX</td></tr>
<tr><td>‘ROUD’</td><td>Book + Fast CLCs</td></tr>
<tr><td>‘ROUE’</td><td>Book + Fast CLCs + Street</td></tr>
<tr><td>‘ROUQ’</td><td>Book + Superfast CLCs</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><td>‘ROUT’</td><td>Book + (CLC/DRT) + Street (Default)</td></tr>
<tr><td>‘ROUX’</td><td>Book + Street</td></tr>
<tr><td>‘ROUZ’</td><td>Book + (CLC/DRT)</td></tr>
<tr><td>‘SWPA’</td><td>ISO Sweep of All Protected Markets</td></tr>
<tr><td>‘SWPB’</td><td>ISO Sweep of All Protected Markets (cancelled back if order quantity insufficient to clear all protected quotes)</td></tr>
</table>
</td></tr>
<tr><td>5980</td><td>AltExDestination</td><td>N</td><td>Specifies the designated away venue for RoutStrategy (9400) = DIRC or CLNK. Also used in conjunction with RoutingInst (9303) = A (Post to Away) and RoutStrategy (9400) = ROUT, ROUX, or ROUE to specify where order is to be posted.
<table>
<tr><td>‘A’</td><td>NYSE American[1]</td></tr>
<tr><td>‘B’</td><td>NASDAQ BX[1]</td></tr>
<tr><td>‘C’</td><td>NYSE National</td></tr>
<tr><td>‘I’</td><td>Investors Exchange[1]</td></tr>
<tr><td>‘h’</td><td>HRT Execution Services[3]</td></tr>
<tr><td>‘J’</td><td>EDGA[1]</td></tr>
<tr><td>‘K’</td><td>EDGX[1,2]</td></tr>
<tr><td>‘M’</td><td>CHX</td></tr>
<tr><td>‘N’</td><td>NYSE[1]</td></tr>
<tr><td>‘P’</td><td>NYSEArca[1]</td></tr>
<tr><td>‘Q’</td><td>NASDAQ[1]</td></tr>
<tr><td>‘X’</td><td>NASDAQ PSX</td></tr>
<tr><td>‘Y’</td><td>BYX[1]</td></tr>
<tr><td>‘Z’</td><td>BZX[1]</td></tr>
</table>
[1]Post to Away option available for ROUT, ROUX, and ROUE only
[2]Post to EDGX (for ROUT, ROUD, ROUE, ROUX, ROUZ, ROUQ, RDOT, RDOX, ROBB, ROCO, INET)
[3]Specifies the designated away venue for RoutStrategy(9400) = CLNK. Not available for use with RoutStrategy (9400) = DIRC</td></tr>
</table>

Tag	Field Name	Req'd	Comments
8020	DisplayRange	N	Used for random replenishment of Reserve Orders. The specified value establishes a range of possible values for the shares that are to be displayed. For example, if *MaxFloor* = 2000 and the *DisplayRange* = 200, the displayed quantity will be selected randomly from any of the following values: 1800, 1900, 2000, 2100 and 2200. Note that the value specified must be less than the value specified for *MaxFloor*.
9618	MaxRemovePct	N	For *RoutingInst*(9303) = Q. The percent of the order quantity which remains after price improvement that may be removed at the limit price. Valid values: 0 – Do not remove any shares at limit price

4.4 CBOE EDGX Exchange

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>EDGX</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>The following additional values are supported:
<table>
<tr><td>‘Q’</td><td>Market Maker Peg</td></tr>
<tr><td>‘U’</td><td>Supplemental Peg Order</td></tr>
<tr><td>‘m’</td><td>Midpoint Peg (same as ‘M’, but do not match when the NBBO is locked)</td></tr>
<tr><td>‘L’</td><td>Alternate Midpoint (less aggressive of midpoint and 1 tick inside NBBO)</td></tr>
<tr><td>‘d’</td><td>Midpoint Discretionary Order</td></tr>
<tr><td>‘o’</td><td>Listing Market Opening (for ROOC strategy only)</td></tr>
<tr><td>‘c’</td><td>Listing Market Close (for ROOC strategy only)</td></tr>
<tr><td>‘a’</td><td>Both Listing Market Open and Close (for ROOC strategy only; also eligible for participation in halt auctions)</td></tr>
</table></td></tr>
<tr><td>9416</td><td>ExtendedExecInst</td><td>N</td><td>
<table>
<tr><td>‘N’</td><td>None</td></tr>
<tr><td>‘R’</td><td>Retail Order</td></tr>
</table></td></tr>
<tr><td>9479</td><td>DisplayIndicator</td><td>N</td><td>Re-pricing Options:
<table>
<tr><td>‘P’</td><td>Price Adjust</td></tr>
<tr><td>‘m’</td><td>Multiple Price Adjust</td></tr>
<tr><td>‘R’</td><td>Cancel back the order if it cannot be booked and displayed without adjustment</td></tr>
<tr><td>‘r’</td><td>Hidden, cancel back the order if it cannot be booked without adjustment</td></tr>
<tr><td>‘S’</td><td>Display Price Sliding (Default)</td></tr>
<tr><td>‘L’</td><td>Display Price Sliding, but reject if order crosses the NBBO on entry</td></tr>
<tr><td>‘M’</td><td>Multiple Display Price Sliding</td></tr>
</table>
Other Options:</td></tr>
</table>

Tag	Field Name	Req'd	Comments
			‘v’ — Visible (for visible peg orders only, others will be rejected) ‘I’ — Invisible (refer to section 5.4 for applicability to peg orders) ‘N’ — No Rescrape at Limit (applicable only to fully routable, IOC orders (*RoutingInst* = R and *TimeInForce* = 3). After walking the price to the limit, there will be no final scrape at CBOE and the cancel reason code will state X (Expired) rather than N (No Liquidity)
9303	RoutingInst	N	1st character: ‘B’ — Book Only (not routable, will remove from local book) ‘P’ — Post Only (not routable) ‘R’ — Routable (Default) ‘S’ — Super Aggressive – Cross or Lock (order will be removed from the book and routed to any away quote that is locking or crossing the order; may remove liquidity after posting) ‘X’ — Aggressive – Cross or Lock (order will be removed from the book and routed to any away quote that is locking or crossing the order) ‘K’ — Super Aggressive When Odd Lot (routable order will be automatically assigned Super Aggressive status when it becomes an odd lot) ‘A’ — Post to Away (a limit order that will post remainder to an away venue specified in *AltExDestination* for applicable routing strategies) ‘N’ — Non-Displayed Swap – Book only, Hidden order that may remove liquidity after posting (requires *DisplayIndicator* = I) 2nd character (for use with *RoutStrategy* (9400) = DIRC only): ‘D’ — Eligible to route to DRT/CLC (Default)

Tag	Field Name	Req'd	Comments	
			‘L’	Route to displayed markets only
9350	RouteDelivery Method	N	‘RTI’	Route to Improve (Default)
			‘RTF’	Route to Fill
			Route to Improve: Ability to receive price improvement will take priority over speed of execution. *Route to Fill*: Speed of execution will take priority over potential price improvement. Only applicable to *RoutStrategy*(9400) = ROUT, ROUX, ROUE and ROOC	
9400	RoutStrategy	N	‘ALLB’	Book + IOC Other CBOE Exchanges
			‘CLC’	Comprehensive Liquidity Check
			‘DIRC’	Book + (CLC/DRT) + Directed IOC or Directed ISO if *ExecInst* (18) = f. *AltExDestination* must also be sent.
			‘INET’	Book + IOC/Day NASDAQ
			‘LCPMC’	Low Cost Protected Market Centers
			‘RDOT’	Book + (CLC/DRT) + IOC/Day NYSE
			‘RDOX’	Book + IOC/Day NYSE
			‘ROOC’	Listing Market Open + Book + (CLC/DRT) + Street + Listing Market Close[1]
			‘ROUC’	Book + (CLC/DRT) + LCPMC + All Other Protected Markets + Posts to EDGX
			‘ROUD’	Book + Fast CLCs
			‘ROUE’	Book + Fast CLCs + Street
			‘ROUQ’	Book + Superfast CLCs
			‘ROUT’	Book + (CLC/DRT) + Street (Default)
			‘ROUX’	Book + Street
			‘ROUZ’	Book + (CLC/DRT)
			‘SWPA’	ISO Sweep of All Protected Markets
			‘SWPB’	ISO Sweep of All Protected Markets (cancelled

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td><table><tr><td></td><td>back if order quantity insufficient to clear all protected quotes)</td></tr></table>
[1]Can be used with ExecInst (18) = a, c, or o to specify listing market opening/closing eligibility</td></tr>
<tr><td>5980</td><td>AltExDestination</td><td>N</td><td>Specifies the designated away venue for RoutStrategy (9400) = DIRC or CLNK. Also used in conjunction with RoutingInst (9303) = A (Post to Away) and RoutStrategy (9400) = ROUT, ROUX, or ROUE to specify where order is to be posted.
<table>
<tr><td>‘A’</td><td>NYSE American[1]</td></tr>
<tr><td>‘B’</td><td>NASDAQ BX[1]</td></tr>
<tr><td>‘C’</td><td>NYSE National</td></tr>
<tr><td>‘I’</td><td>Investors Exchange[1]</td></tr>
<tr><td>‘J’</td><td>EDGA[1]</td></tr>
<tr><td>‘K’</td><td>EDGX[1,2]</td></tr>
<tr><td>‘M’</td><td>CHX</td></tr>
<tr><td>‘N’</td><td>NYSE[1]</td></tr>
<tr><td>‘P’</td><td>NYSEArca[1]</td></tr>
<tr><td>‘Q’</td><td>NASDAQ[1]</td></tr>
<tr><td>‘X’</td><td>NASDAQ PSX</td></tr>
<tr><td>‘Y’</td><td>BYX[1]</td></tr>
<tr><td>‘Z’</td><td>BZX[1]</td></tr>
</table>
[1]Post to Away option available for ROUT, ROUX, and ROUE only
[2]Post to EDGX (for ROUT, ROUD, ROUE, ROUX, ROUZ, ROUQ, RDOT, RDOX, ROBB, ROCO, INET)</td></tr>
<tr><td>8020</td><td>DisplayRange</td><td>N</td><td>Used for random replenishment of Reserve Orders. The specified value establishes a range of possible values for the shares that are to be displayed. For example, if MaxFloor = 2000 and the DisplayRange = 200, the displayed quantity will be selected randomly from any of the following values: 1800, 1900, 2000, 2100 and 2200. Note that the value specified must be less than the value specified for MaxFloor.</td></tr>
</table>

Tag	Field Name	Req'd	Comments
9618	MaxRemovePct	N	For *RoutingInst*(9303) = Q. The percent of the order quantity which remains after price improvement that may be removed at the limit price. Valid values: 0 — Do not remove any shares at limit price

4.5 IEX (Investors Exchange)

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>IEXG</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>The following additional values are supported:
<table>
<tr><td>‘d’</td><td>Discretionary Peg (executes on IEX)</td></tr>
<tr><td>‘i’</td><td>IEX Only – also known as Standard (Default)</td></tr>
<tr><td>‘j’</td><td>Discretionary Limit (executes on IEX)</td></tr>
<tr><td>‘o’</td><td>Offset Peg (executes on IEX)</td></tr>
<tr><td>‘u’</td><td>Router</td></tr>
<tr><td>‘y’</td><td>Trade At ISO (executes on IEX)</td></tr>
<tr><td>‘z’</td><td>Corporate D-Peg (executes on IEX)</td></tr>
</table>
Only single values are allowed.</td></tr>
<tr><td>8484</td><td>InvestorID</td><td>N</td><td>Unique string per “investor” on whose behalf the Member is acting. Not echoed back on execution reports.</td></tr>
<tr><td>9416</td><td>ExtendedExecInst</td><td>N</td><td>
<table>
<tr><td>‘R’</td><td>Retail</td></tr>
<tr><td>‘T’</td><td>Retail Liquidity Provider (RLP)</td></tr>
</table>
Applies to Retail orders and Retail Liquidity Provider orders.

Always echoed back for RLP.

Echoed back on Retail orders where

ExecInst (18) = ‘d’ or ‘M’
OrdType (40) = ‘P’
OrderCapacity (47) = ‘A’ or ‘R’
TimeInForce (59) = 3 (IOC), 4 (FOK)
</td></tr>
<tr><td>9500</td><td>MinQtyIndicator</td><td>N</td><td>
<table>
<tr><td>‘C’</td><td>Composite</td></tr>
<tr><td>‘M’</td><td>Minimum Execution Size with Cancel Remaining (once LeavesQty < MinQty, the order will cancel)</td></tr>
<tr><td>‘A’</td><td>Minimum Execution Size with AON Remaining (once LeavesQty < MinQty, Open shares become All or None)</td></tr>
</table></td></tr>
</table>

Tag	Field Name	Req'd	Comments
			Only valid if 110 (MinQty) is sent. Not echoed back on execution reports. Not changeable via Cancel/Replace.

4.6 MEMX (Members Exchange)

Tag	Field Name	Req'd	Comments
100	ExDestination	Y	MEMX
18	ExecInst	N	The following *additional* values are supported: ‘6’ – Participate, Do Not Initiate (Post Only) ‘h’ – External Routing Not Allowed Only single values are allowed.
582	CustOrderCapacity		Capacity of the customer placing the order. Valid values: ‘1’ – Member trading for their own account ‘5’ – Retail Customer (Default)
1084	DisplayMethod	N	Defines the replenishment size behavior for a reserve order. Selecting “Undisclosed” will result in a fully hidden order. This tag should be specified for Pegged and Market orders. This tag should not be specified for fully displayed Limit orders. Currently if this tag is not specified for a Pegged or Market order the default value shall be “Undisclosed.” This is not recommended as this behavior may change in a future revision of the specification. ‘1’ – Initial ‘3’ – Randomize By Size ‘4’ – Undisclosed (Hidden)
1087	DisplayMinIncr	N	Defines the minimum increment to be used when calculating a random refresh of DisplayQty.
21006	ReserveReplenish TimeType	N	Defines the replenishment timing behavior for a reserve order. Valid values: ‘1’ – Immediate ‘2’ – Random
21001	SelfTradePrevention Type	N	Defines the desired behavior in the event of a wash.

Tag	Field Name	Req'd	Comments
			Valid values: ‘0’ – Cancel Newest ‘1’ – Cancel Oldest ‘2’ – Decrement And Cancel ‘3’ – Cancel Both ‘4’ – Cancel Smallest
2362	StpGroupID	N	Unique identifier of self-trade prevention group. Valid values: ‘0’ – Prevents self-trading within the same firm ‘1’ – Prevents self-trading within the same MPID ‘2’ – Prevents self-trading with the same SenderCompID ‘3’ to ‘65534’ – Prevents self-trading with the same StpGroupID
21005	RiskGroupID	N	Unique identifier of a custom risk control set to be applied to this order.
21020	RepriceFrequency Type	N	Defines the frequency of a reprice. If this tag is not sent then the order will not be repriced. Valid values: ‘0’ – Single Reprice. The order will only be repriced upon entry for regulatory compliance. ‘1’ – Continuous Reprice. The order will continuously be repriced for regulatory compliance. ‘2’ – None. The order will not be repriced.
21021	RepriceBehaviorType	N	Reprice behavior when market is locked or crossed. Valid values: ‘1’ – RepriceLockCancelCross – Reprice if the market is locked, cancel if market is crossed. ‘2’ – RepriceLockRepriceCross – Reprice if the market is locked or crossed.

4.7 NASDAQ Exchange

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>INET</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>The following additional values are supported:
<table><tr><td>‘N’</td><td>No Peg</td></tr><tr><td>‘Q’</td><td>Quoting Peg</td></tr><tr><td>‘I’</td><td>INAV Pegging</td></tr><tr><td>‘y’</td><td>Trade-at Intermarket Sweep Order</td></tr><tr><td>‘B’</td><td>Reactive Trade Now</td></tr><tr><td>‘b’</td><td>Reactive Trade Now opt-out</td></tr></table>Can contain multiple instructions, space delimited.</td></tr>
<tr><td>9416</td><td>ExtendedExecInst</td><td>N</td><td><table><tr><td>‘N’</td><td>Not a retail-designated order (Default)</td></tr><tr><td>‘R’</td><td>Retail-designated order</td></tr></table></td></tr>
<tr><td>9479</td><td>DisplayIndicator</td><td>N</td><td>May be used to specify NASDAQ’s different display options:
<table><tr><td>‘Y’</td><td>Anonymous-Price to Comply</td></tr><tr><td>‘A’</td><td>Attributable-Price to Display</td></tr><tr><td>‘N’</td><td>Non-Display (required for midpoint orders)</td></tr><tr><td>‘I’</td><td>Imbalance Only</td></tr><tr><td>‘P’</td><td>Post-Only</td></tr><tr><td>‘W’</td><td>Mid-Point Peg Post Only</td></tr><tr><td>‘L’</td><td>Post-Only and Attributable – Price to Display</td></tr><tr><td>‘O’</td><td>Retail Order Type 1</td></tr><tr><td>‘T’</td><td>Retail Order Type 2</td></tr><tr><td>‘Q’</td><td>Retail Price Improvement Order</td></tr><tr><td>‘M’</td><td>Mid-point Peg (ExecInst (18) must be set to ‘N’)</td></tr><tr><td>‘m’</td><td>Mid-Point Peg and Mid-Point Trade Now</td></tr><tr><td>‘n’</td><td>Non-Display and Mid-Point Trade Now</td></tr></table></td></tr>
</table>

Tag	Field Name	Req'd	Comments	
9400	RoutStrategy	N	‘INET’	NASDAQ (Default)
			‘DOTA’ ‘DOTD’	Behaves similar to the SCAN strategies, except that the strategy only allows non-attributable orders. Any on-open, on-close Time in Force (TIF) instruction and all pre-market orders will be sent to the primary for the primary cross. *Note:* This strategy will only access the NYSE or NYSE MKT (AMEX) primary markets. Orders received in all other symbols will participate in the NASDAQ cross instead of the primary.
			‘DOTM’	Behaves similar to the STGY strategies, except that the strategy only allows non-attributable orders. Any on-open, on-close close Time in Force (TIF) instruction and all pre-market orders will be sent to the primary for the primary cross. *Note:* This strategy will only access the NYSE or NYSE MKT (AMEX) primary markets. Orders received in all other symbols will participate in the NASDAQ cross instead of the primary.
			‘DOTI’	Attempts to execute against orders in the NASDAQ book at a price equal to or better than the NBBO. If unfilled, it will then route to NASDAQ OMX BX (BX) where it will also attempt to execute at the NBBO or better. If still unfilled, the order will route to the NYSE or NYSE MKT (AMEX) where the order will remain until executed or cancelled. Any orders received with on-open or on-close Time in Force (TIF) instruction will be sent to the primary for the primary cross. *Note:* This strategy will only access the NYSE or NYSE MKT (AMEX) primary markets.
			‘MOPP’	Route to all protected quotes for display size only. Depending on the time in force (TIF) on the order, the remaining shares will be posted to the NASDAQ book or be cancelled back to the entering party. Once an order posts to

Tag	Field Name	Req'd	Comments	
				NASDAQ, it is no longer eligible for routing.
			'STGY'	Behaves similar to SCAN, except that the order will route out again after posting to the NASDAQ book if the order is subsequently locked or crossed.
			'TFTY'	Routes to NASDAQ BX, dark pools, and NYSE or AMEX without checking the NASDAQ book first.
			'SCAN'	First attempts to execute against orders available in the NASDAQ book at a price equal to or better than the NBBO; it will then route to other markets including non-exchange and non-Alternative Display Facility (ADF) destinations. If shares remain unexecuted after routing, they are posted on the NASDAQ book. Once the order is posted to the NASDAQ book, if it is subsequently locked or crossed, the system will not route out again.
			'SKIP'	Behaves like SCAN and opts out of sending orders to Dark Pools
			'SKNY'	Behaves like STGY and opts out of sending orders to Dark Pools
			'SAVE'	SAVE accesses BX, NASDAQ, NYSE, all other protected quotes and additional destinations. If shares remain unexecuted after routing, they are posted on the NASDAQ book. Once the order is posted to the NASDAQ book, if it is subsequently locked or crossed, the system will not route out again.
			'QSAV'	Behaves like SAVE but routes to NASDAQ first
			'QTFY'	Behaves like TFTY but routes to NASDAQ first
			'DOTZ'	Attempts to execute against orders in the NASDAQ book at a price equal to or better than the NBBO. If unfilled, the order will route to the NYSE or NYSE MKT (AMEX) where the order will remain until executed or cancelled. Any orders received with on-open or on-close Time in Force (TIF) instruction will be sent to the

Tag	Field Name	Req'd	Comments	
				primary for the primary cross. *Note:* This strategy will only access the NYSE or NYSE MKT (AMEX) primary markets.
			‘LIST’	Enables firms to participate in the opening and closing processes of each security’s primary listing market and also take advantage of NASDAQ’s liquidity during the remainder of the trading day.
			‘CART’	Enables firms to check the BX, PSX and NASDAQ book before (optionally) posting to the NASDAQ book.
			‘SOLV’	Similar to the SAVE strategy but will route out again after posting if the NASDAQ book is subsequently locked or crossed.
			‘QSLV’	QSLV is similar to QSAV except that it will route back out after posting on NASDAQ if crossed or locked.
			‘ESCN’	Behaves identically to SCAN, but includes a time in force instruction to go live at 8am if received prior to 8am.
			‘MOPB’	MOPB is identical to MOPP, except that MOPB orders will be cancelled back immediately if at the time of entry the MOPB order’s quantity is insufficient to clear the protected quantity that is priced better than or equal to the order’s limit price.
			‘RFTY’	Retail investor orders designated as non-marketable that upon receipt become marketable will route to off-exchange destinations for potential price improvement opportunities. Retail investor orders may route to additional destinations if not fully executed (similar to SCAN). Retail investor orders not executed after routing will be posted to the NASDAQ book for potential execution and display.
			‘QRTY’	Behaves like RFTY but routes to NASDAQ first

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td><u>Directed Orders</u>
These orders are directed to a market center other than NASDAQ as specified by the entering party. Directed orders do not check the NASDAQ book and are routed at the entered price and entered quantity. If unexecuted, the order (or unexecuted portion thereof) shall be returned to the entering party. This order type can be entered as an Intermarket Sweep Order (ISO), Trade-at Intermarket Sweep Order (TAISO), and may only be used for orders with time-in-force of IOC.
<table>
<tr><td>‘ISAM’</td><td>AMEX</td></tr>
<tr><td>‘ISPA’</td><td>ARCA/PCX</td></tr>
<tr><td>‘ISBX’</td><td>NASDAQ OMX BX</td></tr>
<tr><td>‘ISCB’</td><td>CBOE</td></tr>
<tr><td>‘ISCX’</td><td>CHSX</td></tr>
<tr><td>‘ISCN’</td><td>NYSE National</td></tr>
<tr><td>‘ISNY’</td><td>NYSE</td></tr>
<tr><td>‘ISBZ’</td><td>BATS Z Exchange</td></tr>
<tr><td>‘ISBY’</td><td>BATS Y Exchange</td></tr>
<tr><td>‘ISNA’</td><td>EDGA</td></tr>
<tr><td>‘ISNX’</td><td>EDGX</td></tr>
<tr><td>‘ISPX’</td><td>NASDAQ OMX PSX</td></tr>
<tr><td>‘ISIX’</td><td>IEX</td></tr>
</table></td></tr>
<tr><td>8020</td><td>DisplayRange</td><td>N</td><td>Used for random replenishment of Reserve Orders. The specified value establishes a range of possible values for the shares that are to be displayed. For example, if MaxFloor = 2000 and the DisplayRange = 200, the displayed quantity will be selected randomly from any of the following values: 1800, 1900, 2000, 2100 and 2200. Note that the value specified must be less than the value specified for MaxFloor.</td></tr>
<tr><td>9391</td><td>DisplayExecInst</td><td>N</td><td>This tag is used to peg the display price of the order. NASDAQ currently supports Market Peg (‘P’), Primary Peg (‘R’),Mid Peg (M), ‘Q’ (Quoting Peg), ‘I’ (INAV Peg).</td></tr>
<tr><td>9392</td><td>DisplayPrice</td><td>N</td><td>This field contains the price that will be displayed on</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td>the NASDAQ book</td></tr>
<tr><td>9396</td><td>DisplayPegDifference</td><td>N</td><td>This field is used to offset a pegged display price as specified in DisplayExecInst (9391).</td></tr>
<tr><td>9355</td><td>CrossTradeFlag</td><td>N</td><td>This specifies the cross in which this order goes live.

Valid values:
<table>
<tr><td>‘O’</td><td>Opening cross</td></tr>
<tr><td>‘C’</td><td>Closing cross</td></tr>
<tr><td>‘R’</td><td>Retail Cross</td></tr>
<tr><td>‘E’</td><td>Extended Life</td></tr>
</table>
Note: RPI orders can only participate in the Retail Cross.</td></tr>
</table>

4.8 NASDAQ OMX BX Exchange

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>NQBX</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>The following additional values are supported:
<table>
<tr><td>‘N’</td><td>No Peg</td></tr>
<tr><td>‘y’</td><td>Trade-at Intermarket Sweep Order</td></tr>
<tr><td>‘B’</td><td>Reactive Trade Now</td></tr>
<tr><td>‘b’</td><td>Reactive Trade Now opt-out</td></tr>
</table>Can contain multiple instructions, space delimited.</td></tr>
<tr><td>9416</td><td>ExtendedExecInst</td><td>N</td><td><table>
<tr><td>‘N’</td><td>Not a retail-designated order (Default)</td></tr>
<tr><td>‘R’</td><td>Retail-designated order</td></tr>
</table></td></tr>
<tr><td>9479</td><td>DisplayIndicator</td><td>N</td><td>May be used to specify NASDAQ’s different display options:
<table>
<tr><td>‘Y’</td><td>Anonymous-Price to Comply</td></tr>
<tr><td>‘A’</td><td>Attributable-Price to Display</td></tr>
<tr><td>‘N’</td><td>Non-Display (required for midpoint orders)</td></tr>
<tr><td>‘I’</td><td>Imbalance Only</td></tr>
<tr><td>‘P’</td><td>Post-Only (for stocks over $1, NASDAQ BX Post-Only orders will remove liquidity at any price equal to or better than its limit)</td></tr>
<tr><td>‘M’</td><td>Mid-point Peg (ExecInst (18) must be set to ‘N’)</td></tr>
<tr><td>‘O’</td><td>Retail Order Type 1</td></tr>
<tr><td>‘T’</td><td>Retail Order Type 2</td></tr>
<tr><td>‘Q’</td><td>Retail Price Improvement Order</td></tr>
</table></td></tr>
<tr><td>9400</td><td>RoutStrategy</td><td>N</td><td><table>
<tr><td>‘INET’</td><td>NASDAQ (Default)</td></tr>
<tr><td>‘BMOP’</td><td>Routes only to Protected Quotations and only for displayed size. If shares remain unexecuted after routing, depending on the time-in-force on the order, the remaining shares will be posted to the book or cancelled back to the entering party. Once an order posts, it is no longer eligible for</td></tr>
</table></td></tr>
</table>

Tag	Field Name	Req'd	Comments	
				routing.
			‘BSTG’	Checks the system for available shares and simultaneously routes the remaining shares to destinations on the system routing table. If shares remain unexecuted after routing, they are posted on the book. Once on the book, should the order subsequently be locked or crossed by another accessible market center, the System will route the order to the locking or crossing market center.
			‘BSCN’	Attempts to execute against orders available on the exchange book at a price equal to or better than the NBBO. Simultaneously routes to away destinations if the order is larger than what is available on the exchange book. If shares remain unexecuted after routing they are posted on the exchange book. Once on the book, should the order subsequently be locked or crossed by another market center, the system will not route the order to the locking or crossing market center.
			‘BTFY’	Checks the system for available shares only and afterwards routes to destinations on the system routing table. If shares remain unexecuted after routing, they are posted to the book. Once on the book, should the order subsequently be locked or crossed by another market center, the system will not route the order to the locking or crossing market center. All orders marked as BTFY must have a limit price and must be entered between 9:30am and 4:00pm EST. Immediate-or-Cancel (IOC) orders will not route to NASDAQ.
			‘BCRT’	Checks the system and then routes to the NASDAQ PSX facility of NASDAQ PHLX and NASDAQ. If shares remain un-executed, they are posted to the book or cancelled. Once on the book, should the order subsequently be locked or crossed by another market center, the system will not route the order to the locking or crossing

Tag	Field Name	Req'd	Comments	
				market center.
			‘TFYB’	Operates the same as BTFY except that the strategy checks the NASDAQ book first before routing to other destinations.
			‘BCST’	Check the system for available shares and simultaneously routes the remaining shares to destinations on the system routing table that are not posting Protected Quotations within the meaning of Regulation NMS and to certain, but not all, exchanges. If shares remain unexecuted after routing, they are posted on the book. Once on the book, should the order subsequently be locked or crossed by another market center, the system will not route the order to the locking or crossing market center.
			‘BDRK’	Check the system for available shares and simultaneously routes the remaining shares to destinations on the system routing table that are not posting Protected Quotations within the meaning of Regulation NMS. If shares remain unexecuted after routing, they are posted on the book. Once on the book, should the order subsequently be locked or crossed by another market center, the system will not route the order to the locking or crossing market center.
			‘BSKN’	BSKN is a form of BSTG in which the system bypasses any market centers included in the BSTG system routing table that are not posting Protected Quotations within the meaning of Regulation NMS.
			‘BSKP’	BSKP is a form of BSCN in which the system bypasses any market centers included in the BSCN system routing table that are not posting Protected Quotations within the meaning of Regulation NMS.
			‘DOTA’ ‘DOTD’	Prior to 9:30am EST, NYSE- and NYSE Amex-listed security orders will be sent to the primary for the open. After the primary listing market opens, DOTA behaves as BCSN. If a

Tag	Field Name	Req'd	Comments	
				DOTA order is received in a security that is not listed on NYSE or NYSE Amex, it will not go to NYSE or NYSE Amex and will behave as BSCN.
			'DOTI'	Attempts to execute against orders in the NASDAQ book at a price equal to or better than the NBBO. If unfilled, it will then route to BX where it will also attempt to execute at the NBBO or better. If still unfilled, the order will route to NYSE or NYSE Amex where the order will remain until it is executed or cancelled.
			'DOTM'	Behaves as DOTA but after accessing the primary listing market for the open or if the order is for a security not listed on NYSE or NYSE Amex, it behaves as BSTG.
			Directed Orders:	
			'ISNQ'	NASDAQ
			'ISAM'	AMEX
			'ISPA'	ARCA/PCX
			'ISCB'	CBOE
			'ISCX'	CHSX
			'ISCN'	NYSE National
			'ISDA'	DATA
			'ISGA'	EDGA
			'ISGX'	EDGX
			'ISIS'	ICE
			'ISLF'	LavaFlow
			'ISNY'	NYSE
			'ISPX'	PHLX
			'ISTR'	TRAC
8020	DisplayRange	N	Used for random replenishment of Reserve Orders. The specified value establishes a range of possible values for the shares that are to be displayed. For example, if	

Tag	Field Name	Req'd	Comments
			MaxFloor = 2000 and the *DisplayRange* = 200, the displayed quantity will be selected randomly from any of the following values: 1800, 1900, 2000, 2100 and 2200. Note that the value specified must be less than the value specified for *MaxFloor*.
9391	DisplayExecInst	N	This tag is used to peg the display price of the order. NASDAQ OMX BX currently supports Market Peg (‘P’), Primary Peg (‘R’) and Mid Peg (M).
9392	DisplayPrice	N	This field contains the price that will be displayed on the NASDAQ OMX BX book
9396	DisplayPegDifference	N	This field is used to offset a pegged display price as specified in *DisplayExecInst* (9391).
9355	CrossTradeFlag	N	This specifies the cross in which this order goes live. Valid values: ‘O’ Opening cross ‘C’ Closing cross ‘R’ Retail Cross

4.9 NASDAQ OMX PSX Exchange

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>NQPX</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>The following additional values are supported:
<table>
<tr><td>‘N’</td><td>No Peg</td></tr>
<tr><td>‘y’</td><td>Trade-at Intermarket Sweep Order</td></tr>
</table>
Can contain multiple instructions, space delimited.</td></tr>
<tr><td>9479</td><td>DisplayIndicator</td><td>N</td><td>May be used to specify NASDAQ’s different display options:
<table>
<tr><td>‘Y’</td><td>Anonymous-Price to Comply</td></tr>
<tr><td>‘A’</td><td>Attributable-Price to Display</td></tr>
<tr><td>‘N’</td><td>Non-Display (required for midpoint orders)</td></tr>
<tr><td>‘I’</td><td>Imbalance Only</td></tr>
<tr><td>‘P’</td><td>Post-Only</td></tr>
<tr><td>‘M’</td><td>Mid-point Peg (ExecInst (18) must be set to ‘N’)</td></tr>
<tr><td>‘W’</td><td>Mid-point Peg Post-Only</td></tr>
</table></td></tr>
<tr><td>9400</td><td>RoutStrategy</td><td>N</td><td>
<table>
<tr><td>‘INET’</td><td>NASDAQ (Default)</td></tr>
<tr><td>‘PMOP’</td><td>Routes only to Protected Quotations and only for displayed size. If shares remain unexecuted after routing, depending on the time-in-force on the order, the remaining shares will be posted to the book or cancelled back to the entering party. Once an order posts, it is no longer eligible for routing.</td></tr>
<tr><td>‘PSTG’</td><td>Checks the system for available shares and simultaneously routes the remaining shares to destinations on the system routing table. If shares remain unexecuted after routing, they are posted on the book. Once on the book, should the order subsequently be locked or crossed by another accessible market center, the System will route the order to the locking or crossing market center.</td></tr>
</table></td></tr>
</table>

Tag	Field Name	Req'd	Comments	
			'PSCN'	Attempts to execute against orders available on the exchange book at a price equal to or better than the NBBO. Simultaneously routes to away destinations if the order is larger than what is available on the exchange book. If shares remain unexecuted after routing they are posted on the exchange book. Once on the book, should the order subsequently be locked or crossed by another market center, the system will not route the order to the locking or crossing market center.
			'PTFY'	Checks the system for available shares only and afterwards routes to destinations on the system routing table. If shares remain unexecuted after routing, they are posted to the book. Once on the book, should the order subsequently be locked or crossed by another market center, the system will not route the order to the locking or crossing market center. All orders marked as PTFY must have a limit price and must be entered between 9:30am and 4:00pm EST. Immediate-or-Cancel (IOC) orders will not route to NASDAQ.
			'PCRT'	Checks the BX, PSX and NASDAQ books (in that order) before optionally posting to the NASDAQ book. Once on the book, should the order subsequently be locked or crossed by another market center, the system will not route the order to the locking or crossing market center.
			'TFYX'	Operates the same as PTFY except that the strategy checks the NASDAQ book first before routing to other destinations.
			'XCST'	Check the system for available shares and simultaneously routes the remaining shares to destinations on the system routing table that are not posting Protected Quotations within the meaning of Regulation NMS and to certain, but not all, exchanges. If shares remain unexecuted after routing, they are posted on the book. Once

Tag	Field Name	Req'd	Comments

	on the book, should the order subsequently be locked or crossed by another market center, the system will not route the order to the locking or crossing market center.
'XDRK'	Check the system for available shares and simultaneously routes the remaining shares to low-cost non-Reg NMS protected liquidity venues. If shares remain unexecuted after routing, they are posted on the book. Once on the book, should the order subsequently be locked or crossed by another market center, the system will not route the order to the locking or crossing market center.
'PSKN'	PSKN is a form of PSTG which opts out of sending orders to non-Reg NMS protected market centers
'PSKP'	PSKP is a form of PSCN which does not send orders to non-Reg NMS protected market centers
'DOTA' 'DOTD'	Prior to 9:30am EST, NYSE- and NYSE Amex-listed security orders will be sent to the primary for the open. After the primary listing market opens, DOTA behaves as PCSN. If a DOTA order is received in a security that is not listed on NYSE or NYSE Amex, it will not go to NYSE or NYSE Amex and will behave as PSCN.
'DOTI'	Attempts to execute against orders in the NASDAQ book at a price equal to or better than the NBBO. If unfilled, it will then route to BX where it will also attempt to execute at the NBBO or better. If still unfilled, the order will route to NYSE or NYSE Amex where the order will remain until it is executed or cancelled.
'DOTM'	Behaves as DOTA but after accessing the primary listing market for the open or if the order is for a security not listed on NYSE or NYSE Amex, it behaves as PSTG.

Tag	Field Name	Req'd	Comments
			Directed Orders: 'ISNQ' – NASDAQ 'ISAM' – AMEX 'ISPA' – ARCA/PCX 'ISCB' – CBOE 'ISCX' – CHSX 'ISCN' – NYSE National 'ISDA' – DATA 'ISIS' – ICE 'ISLF' – LavaFlow 'ISNY' – NYSE 'ISPX' – PHLX 'ISTR' – TRAC
8020	DisplayRange	N	Used for random replenishment of Reserve Orders. The specified value establishes a range of possible values for the shares that are to be displayed. For example, if *MaxFloor* = 2000 and the *DisplayRange* = 200, the displayed quantity will be selected randomly from any of the following values: 1800, 1900, 2000, 2100 and 2200. Note that the value specified must be less than the value specified for *MaxFloor*.
9391	DisplayExecInst	N	This tag is used to peg the display price of the order. NASDAQ OMX PSX currently supports Market Peg ('P'), Primary Peg ('R') and Mid Peg (M).
9392	DisplayPrice	N	This field contains the price that will be displayed on the NASDAQ OMX PSX book
9396	DisplayPegDifference	N	This field is used to offset a pegged display price as specified in *DisplayExecInst* (9391).
9355	CrossTradeFlag	N	This specifies the cross in which this order goes live. Valid values: 'O' – Opening cross 'C' – Closing cross

4.10 NYSE Exchange (Pillar)

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>NYSE</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>The following additional values are supported:
<table>
<tr><td>‘d’</td><td>Tracking Order</td></tr>
<tr><td>‘N’</td><td>Non-displayed (Retail Price Improvement and Limit Non-displayed orders)</td></tr>
<tr><td>‘y’</td><td>Trade-at Intermarket Sweep Order</td></tr>
<tr><td>‘L’</td><td>Last Sale Peg</td></tr>
</table></td></tr>
<tr><td>9303</td><td>RoutingInst</td><td>N</td><td>Valid values:
<table>
<tr><td>‘N’</td><td>Non Routable</td></tr>
<tr><td>‘R’</td><td>Routable IOC</td></tr>
<tr><td>‘8’</td><td>Minimum Fill (must be entered with MinQty (110) tag populated with a non-zero value)</td></tr>
</table></td></tr>
<tr><td>9403</td><td>OffsetPrice</td><td>C</td><td>For Market Peg orders, a multiple of 0.01. For Retail Price Improvement orders, a multiple of 0.001.</td></tr>
<tr><td>9416</td><td>ExtendedExecInst</td><td>N</td><td>Valid values:
<table>
<tr><td>‘A’</td><td>Add Liquidity Only (ALO)</td></tr>
<tr><td>‘4’</td><td>Retail Order Type 1</td></tr>
<tr><td>‘7’</td><td>Retail Provider</td></tr>
<tr><td>‘8’</td><td>Imbalance Offset</td></tr>
</table></td></tr>
<tr><td>9448</td><td>IntroducingBadgeID</td><td>N</td><td>Specifies the broker booth information or a broker’s badge number for e-Broker handheld routing.</td></tr>
<tr><td>9449</td><td>BillTo</td><td>N</td><td>Set to ‘ALGO’ if the broker will be billed for all NYSE transaction fees; otherwise, set to the firm identifier of the algo vendor.</td></tr>
<tr><td>9451</td><td>ParentFirmClOrdID</td><td>N</td><td>Present on orders from NYSE Floor Broker Systems.</td></tr>
<tr><td>9453</td><td>ParentFirmMPID</td><td>N</td><td>Firm identifier – present on orders from NYSE Floor Broker Systems.</td></tr>
<tr><td>20011</td><td>RouteToBroker</td><td>N</td><td>Valid values:</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td><table><tr><td>‘Y’</td><td>Route to non-matching engine destination</td></tr><tr><td>‘N’</td><td>Route to matching engine</td></tr></table></td></tr>
<tr><td>20012</td><td>BrokerOMSID</td><td>N</td><td>Present on orders from NYSE Floor Broker Systems to identify the BBSS agency targeted by the parent order.</td></tr>
<tr><td>20057</td><td>BillingType</td><td>N</td><td>Used to designate an order as eligible for retail billing. This field will be passed through to ARCA Pillar in tag 57.

Valid values:<table><tr><td>‘RET’</td><td>Eligible for retail billing</td></tr></table></td></tr>
</table>

4.11 NYSE ARCA Exchange (Pillar)

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>ARCA</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>The following additional values are supported:<table><tr><td>‘d’</td><td>Tracking Order</td></tr><tr><td>‘N’</td><td>Non-displayed (Retail Price Improvement and Limit Non-displayed orders)</td></tr><tr><td>‘y’</td><td>Trade-at Intermarket Sweep Order</td></tr></table></td></tr>
<tr><td>9303</td><td>RoutingInst</td><td>N</td><td>Valid values:<table><tr><td>‘N’</td><td>Non Routable</td></tr><tr><td>‘R’</td><td>Routable IOC</td></tr><tr><td>‘D’</td><td>Directed (Primary Only)</td></tr><tr><td>‘S’</td><td>Directed + Routable (PO+S)</td></tr><tr><td>‘1’</td><td>Primary Market until 9:45am EST</td></tr><tr><td>‘2’</td><td>Primary Market after 3:55pm EST</td></tr><tr><td>‘3’</td><td>Both Primary Market until 9:45am EST and Primary Market after 3:55pm EST</td></tr><tr><td>‘8’</td><td>Minimum Fill (must be entered with MinQty (110) tag populated with a non-zero value)</td></tr></table></td></tr>
<tr><td>9416</td><td>ExtendedExecInst</td><td>N</td><td>Valid values:<table><tr><td>‘A’</td><td>Add Liquidity Only (ALO)</td></tr><tr><td>‘0’</td><td>No trade against MPL</td></tr><tr><td>‘2’</td><td>No route to IOI</td></tr><tr><td>‘3’</td><td>No trade against MPL and no route to IOI</td></tr><tr><td>‘4’</td><td>Retail Order Type 1</td></tr><tr><td>‘5’</td><td>Retail Order Type 2</td></tr><tr><td>‘7’</td><td>Retail Provider</td></tr><tr><td>‘8’</td><td>Imbalance Offset</td></tr></table></td></tr>
<tr><td>20001</td><td>AttributedQuote</td><td>N</td><td>Valid values:</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td><table><tr><td>‘0’</td><td>Not Attributed</td></tr><tr><td>‘1’</td><td>Attributed for Market Data Feeds</td></tr></table></td></tr>
<tr><td>20002</td><td>ProactiveIfLocked</td><td>N</td><td>Valid values:<table><tr><td>‘0’</td><td>No locked functionality</td></tr><tr><td>‘1’</td><td>Proactive if locked for routable orders</td></tr><tr><td>‘2’</td><td>Proactive trade non-display (non-display remove liquidity for non-displayed orders locked by contra-side ALOs)</td></tr></table></td></tr>
<tr><td>20003</td><td>CancelInsteadOf Reprice</td><td>N</td><td>Valid values:<table><tr><td>‘0’</td><td>Not applicable (follow default order behavior)</td></tr><tr><td>‘1’</td><td>Cancel order instead of repricing – for LULD only</td></tr></table></td></tr>
<tr><td>20057</td><td>BillingType</td><td>N</td><td>Used to designate an order as eligible for retail billing. This field will be passed through to ARCA Pillar in tag 57.

Valid values:<table><tr><td>‘RET’</td><td>Eligible for retail billing</td></tr></table></td></tr>
</table>

4.12 NYSE American Equities (Pillar)

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>XASE</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>The following additional values are supported:
<table>
<tr><td>‘d’</td><td>Tracking Order</td></tr>
<tr><td>‘N’</td><td>Non-displayed (Retail Price Improvement and Limit Non-displayed orders)</td></tr>
<tr><td>‘y’</td><td>Trade-at Intermarket Sweep Order</td></tr>
</table></td></tr>
<tr><td>9303</td><td>RoutingInst</td><td>N</td><td>Valid values:
<table>
<tr><td>‘N’</td><td>Non Routable</td></tr>
<tr><td>‘R’</td><td>Routable IOC</td></tr>
<tr><td>‘D’</td><td>Directed (Primary Only)</td></tr>
<tr><td>‘S’</td><td>Directed + Routable (PO+S)</td></tr>
<tr><td>‘1’</td><td>Primary Market until 9:45am EST</td></tr>
<tr><td>‘2’</td><td>Primary Market after 3:55pm EST</td></tr>
<tr><td>‘3’</td><td>Both Primary Market until 9:45am EST and Primary Market after 3:55pm EST</td></tr>
<tr><td>‘8’</td><td>Minimum Fill (must be entered with MinQty (110) tag populated with a non-zero value)</td></tr>
</table></td></tr>
<tr><td>9403</td><td>OffsetPrice</td><td>C</td><td>For Market Peg orders, a multiple of 0.01. For Retail Price Improvement orders, a multiple of 0.001.</td></tr>
<tr><td>9416</td><td>ExtendedExecInst</td><td>N</td><td>Valid values:
<table>
<tr><td>‘A’</td><td>Add Liquidity Only (ALO)</td></tr>
<tr><td>‘0’</td><td>No trade against MPL</td></tr>
<tr><td>‘8’</td><td>Imbalance Offset</td></tr>
<tr><td>‘9’</td><td>Discretionary Peg</td></tr>
<tr><td>‘D’</td><td>Dark (Non-Displayed) Primary Peg</td></tr>
</table></td></tr>
<tr><td>9478</td><td>InterestType</td><td>N</td><td>Valid values:</td></tr>
</table>

Tag	Field Name	Req'd	Comments
			‘Q’ Q-Order
20001	AttributedQuote	N	Valid values: ‘0’ Not Attributed ‘1’ Attributed for Market Data Feeds
20002	ProactiveIfLocked	N	Valid values: ‘0’ No locked functionality ‘1’ Proactive if locked for routable orders ‘2’ Proactive trade non-display (non-display remove liquidity for non-displayed orders locked by contra-side ALOs)
20003	CancelInsteadOf Reprice	N	Valid values: ‘0’ Not applicable (follow default order behavior) ‘1’ Cancel order instead of repricing – for LULD only

4.13 NYSE Exchange (Legacy / CCG)

Tag	Field Name	Req'd	Comments
100	ExDestination	Y	NCCG
18	ExecInst	N	The following values are supported by NYSE: ‘M’ – Mid-Price Peg (MPL) Indicator ‘y’ – Trade-at Intermarket Sweep Order *Note: ExecInst* (18) is not supported for orders routed to Broker Systems
9303	RoutingInst	N	Valid values: ‘DNS’ – Do Not Ship ‘SOC’ – NMS IOC ‘CO’ – Closing Offset Order ‘RPI’ – Retail Price Improvement Order ‘RTO’ – Retail Only Order ‘RTNR’ – Retail Non-Routable Order ‘RTR’ – Retail Routable Order ‘ALO’ – Add Liquidity Only
9403	OffsetPrice	C	Required if *RoutingInst* (9303) = RPI. Offset or minimum price improvement value from the current Bid or Offer. The value must be zero, greater than or equal to the minimum offset value ($0.0010) and must be in multiples of $0.0010
9568	MinimumTriggerVol	N	Minimum Trigger Volume (MTV) for Midpoint Passive Liquidity (MPL) orders. Must be 0 or ≤ Order Quantity.

4.14 NYSE Third-Party Algo (Parent Orders)

Tag	Field Name	Req'd	Comments
100	ExDestination	Y	N3PP
9448	IntroducingBadgeID	Y	Specifies the broker booth information or a broker’s badge number for e-Broker handheld routing. This field is required for all orders, cancels and cancel/replaces routed to Broker UTP.

4.15 NYSE Third-Party Algo eQuotes (Child Orders)

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>N3PA</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>Valid values:
<table><tr><td>‘M’</td><td>Mid-Price Peg (MPL) indicator</td></tr></table>
Valid when eQuoteType (9478) is ‘EQAA’.</td></tr>
<tr><td>9403</td><td>OffsetPrice</td><td>N</td><td>Offset (minimum price improvement) from current bid/offer. Must be greater than or equal to $0.001 and must be in multiples of $0.001.

Valid if RoutingInst (9487) is ‘RPI’.</td></tr>
<tr><td>9449</td><td>BillTo</td><td>Y</td><td>Set to ‘ALGO’ if the Broker will be billed for all NYSE transaction fees; otherwise, set to the Entering Firm Mnemonic assigned to the Algo Vendor.</td></tr>
<tr><td>9478</td><td>eQuoteType</td><td>Y</td><td>Valid values:
<table><tr><td>‘EQAA’</td><td>Simple eQuote</td></tr><tr><td>‘EQBB’</td><td>Reserve eQuote</td></tr><tr><td>‘EQDA’</td><td>eQuote with Discretion, Pegging, or Discretion and Pegging</td></tr><tr><td>‘EQDB’</td><td>Reserve eQuote with Discretion, Pegging, or Discretion and Pegging</td></tr></table></td></tr>
<tr><td>9479</td><td>DisplayInd</td><td>Y</td><td>Indicates if the eQuote should be displayed to the DMM.

Valid values:
<table><tr><td>‘Y’</td><td>Display</td></tr><tr><td>‘N’</td><td>Do not display</td></tr></table>
For NYSE Pillar Tape A, B and C symbols, this field will be handled as ‘Y’ regardless of setting.</td></tr>
<tr><td>9480</td><td>ResPubQty</td><td>C</td><td>The quantity, in shares, to be published in the NYSE BBO. Must be specified in round lot shares. The value may be ‘0’.</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td>Required when eQuoteType (9478) is ‘EQBB’ or ‘EQDB’.</td></tr>
<tr><td>9487</td><td>RoutingInstruction</td><td>Y</td><td>Valid values:
<table>
<tr><td>‘DNS’</td><td>Do Not SHIP. A DNS order is a limit order to buy or sell that is to be quoted or executed in whole or in part only at the NYSE.</td></tr>
<tr><td>‘SOC’</td><td>Non-shipping IOC order. Will execute up until the point it would be required to ship and then cancels the remaining balance. Only valid if TimeInForce (59) = 3.</td></tr>
<tr><td>‘RPI’</td><td>Retail Price Improvement order. Order which will only trade with incoming retail order flow. Not valid for NASDAQ listed securities.</td></tr>
<tr><td>‘ALO’</td><td>Add Liquidity Only. Not valid when eQuoteType (9478) is ‘EQDA’ or ‘EQDB’.</td></tr>
</table></td></tr>
<tr><td>9561</td><td>PegInd</td><td>C</td><td>This indicator specifies whether the eQuote should peg to the Protected BBO (PBBO).

Valid values:
<table>
<tr><td>‘Y’</td><td>Peg</td></tr>
<tr><td>‘N’</td><td>Do not peg</td></tr>
</table>
Required when eQuoteType (9478) is ‘EQDA’ or ‘EQDB’.</td></tr>
<tr><td>9562</td><td>CeilingFloorPrice</td><td>C</td><td>If PegInd (9561) is ‘Y’, this field specifies the highest (for a buy) or lowest (for a sell) price to which the eQuote may peg.

If PegInd (9561) is ‘N’, this field will specify the highest (for buy orders) or lowest (for sell orders) price the e-Quote can be executed in an auction.

Required when PegInd (9561) is ‘Y’.</td></tr>
<tr><td>9563</td><td>MinPegQty</td><td>N</td><td>This field indicates the smallest quote size, in shares, to which the eQuote is willing to peg. Must be specified in round lots. Valid only if PegInd (9561) is ‘Y’.

For NYSE Pillar Tape A, B and C symbols, this field is not supported.</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>9565</td><td>DiscPriceRange</td><td>N</td><td>The amount of price discretion above (below) the file price to be used.

Valid only if eQuoteType (9478) is ‘EQDA’ or ‘EQDB’.</td></tr>
<tr><td>9566</td><td>DiscMaxVolume</td><td>C</td><td>Total shares of the eQuote available to use discretion.

Required when eQuoteType (9478) is ‘EQDA’ or ‘EQDB’.

For NYSE Pillar Tape A, B and C symbols, this field will be ignored.</td></tr>
<tr><td>9567</td><td>ITSAllInd</td><td>C</td><td>Indicates whether discretion will be used to trade with an away market.

Valid values:
<table><tr><td>‘Y’</td><td>Include Away Markets in discretion evaluation</td></tr><tr><td>‘N’</td><td>Do not include Away Markets in discretion evaluation</td></tr></table>
Required when eQuoteType (9478) is ‘EQDA’ or ‘EQDB’.

For NYSE Pillar Tape A, B and C symbols, this field will be handled as ‘Y’ regardless of setting.</td></tr>
<tr><td>9568</td><td>OppSideMinSize</td><td>N</td><td>Specifies the minimum size, in shares, necessary to trigger a trade with the order. Must be specified in round lot shares. The value may be ‘0’.

Valid only when DiscPriceRng (9565) is greater than 0 or ExecInst (18) is ‘M’.

For NYSE Pillar A, B and C symbols, this field maybe used when:
eQuoteType (9478) is ‘EQAA’ and ExecInst (18) is set to ‘M’
eQuoteType (9478) is ‘EQBB’ and ResPubQty (9480) is ‘0’
eQuoteType (9478) is ‘EQDB’, ResPubQty (9480) is ‘0’, PegInd (9561) is ‘Y’ and DiscPriceRng (9565) is ‘0’</td></tr>
</table>

4.15.1 eQuote Field Combinations

#	eQuote Type	Required eQuote Fields	Optional eQuote Fields	Supported Tapes
1	eQuote	eQuoteType (9478) = EQAA DisplayInd (9479) = Y TimeInForce (59) = 0	RoutingInst (9487) = DNS or ALO	Tapes A, B and C.
2	OPG eQuote	eQuoteType (9478) = EQAA DisplayInd (9479) = Y TimeInForce (59) = 2		Tapes A, B and C. For NYSE Pillar B and C symbols, eQuotes of this type will be sent to the Primary market for execution.
3	IOC eQuote	eQuoteType (9478) = EQAA DisplayInd (9479) = Y TimeInForce (59) = 3	RoutingInst (9487) = SOC MinQuantity (110)	Tapes A, B and C. For NYSE Pillar Tape A, B and C symbols: • MinQuantity is only supported for SOC eQuotes
4	MPL eQuote	eQuoteType (9478) = EQAA DisplayInd (9479) = Y ExecInst (18) = M TimeInForce (59) = 0	RoutingInst (9487) = DNS or ALO OppSideMinSize (9568) MinQuantity (110)	Tapes A, B and C. For NYSE UTP A symbols: • OppSideMinSize is supported for all MPL eQuotes • MinQuantity will be rejected For NYSE Pillar A, B & C symbols: • Either OppSideMinSize or MinQuantity is supported for MPL eQuotes
5	MPL IOC eQuote	eQuoteType (9478) = EQAA DisplayInd (9479) = Y ExecInst (18) = M TimeInForce (59) = 3	RoutingInst (9487) = SOC OppSideMinSize (9568) MinQuantity (110)	Tapes A, B and C. For NYSE UTP A symbols: • OppSideMinSize and/or MinQuantity are supported for MPL IOC and MPL SOC eQuotes For NYSE Pillar A, B and C symbols: • Either OppSideMinSize or

				MinQuantity is available OppSideMinSize is supported for all MPL IOC and SOC eQuotes MinQuantity is only supported for MPL SOC eQuotes
6	Reserve eQuote Display Reserve to DMM	eQuoteType (9478) = EQBB DisplayInd (9479) = Y ResPubQty (9480) > 0 TimeInForce (59) = 0	RoutingInst (9487) = DNS or ALO	Tapes A, B and C. For NYSE UTP A symbols: • ALO is a supported instruction For NYSE Pillar A, B and C symbols: • ALO will be rejected
7	Reserve eQuote Do Not Display Reserve to DMM	eQuoteType (9478) = EQBB DisplayInd (9479) = N ResPubQty (9480) > 0 TimeInForce (59) = 0	RoutingInst (9487) = DNS or ALO	Tape A, B and C. For NYSE UTP A symbols: • ALO is a supported instruction • DisplayInd will be processed as specified For NYSE Pillar A, B and C symbols: • ALO will be rejected • DisplayInd will be ignored and the eQuote will be displayed
8	Zero Publish Reserve eQuote Display Reserve to DMM	eQuoteType (9478) = EQBB DisplayInd (9479) = Y ResPubQty (9480) = 0 TimeInForce (59) = 0	RoutingInst (9487) = DNS OppSideMinSize (9568) MinQuantity(110)	Tape A, B and C. For NYSE UTP Tape A: • OppSideMinSize and MinQuantity will be ignored For NYSE Pillar A, B and C symbols: • Either OppSideMinSize or MinQuantity is

				supported when publish quantity is 0
9	Non Display Reserve eQuote	eQuoteType (9478) = EQBB DisplayInd (9479) = N ResPubQty (9480) = 0 TimeInForce (59) = 0	RoutingInst (9487) = DNS OppSideMinSize (9568) MinQuantity (110)	Tape A, B and C. For NYSE UTP A symbols: • DisplayInd will be processed as specified • OppSideMinSize and MinQuantity will be ignored For NYSE Pillar A, B and C symbols: • DisplayInd will be ignored and the eQuote will be displayed • Either OppSideMinSize or MinQuantity is supported when publish quantity is 0
10	Pegging eQuote	eQuoteType (9478) = EQDA DisplayInd (9479) = Y PegInd (9561) = Y CeilingFloorPrice (9562) > 0 TimeInForce (59) = 0	RoutingInst (9487) = DNS or ALO MinPegQty(9563)	Tapes A, B and C. For NYSE UTP Tape A: • ALO and MinPegQty are supported instructions • Odd Lot quantities are supported For NYSE Pillar A, B and C symbols: • ALO will be rejected • MinPegQty will be rejected • Odd lot quantities will be rejected
11	Pegging Reserve eQuote with Display Reserve to DMM	eQuoteType (9478) = EQDB DisplayInd (9479) = Y ResPubQty (9480) > 0 PegInd (9561) = Y CeilingFloorPrice (9562) > 0 TimeInForce (59) = 0	RoutingInst (9487) = DNS or ALO MinPegQty (9563)	Tapes A, B and C. For NYSE UTP Tape A: • ALO and MinPegQty are supported instructions • Odd Lot quantities are supported

				For NYSE Pillar A, B and C symbols: • ALO will be rejected • MinPegQty will be rejected • Odd lot quantities will be rejected
12	Pegging Reserve eQuote with Do Not Display Reserve to DMM	eQuoteType (9478) = EQDB DisplayInd (9479) = N ResPubQty (9480) > 0 PegInd (9561) = Y CeilingFloorPrice (9562) > 0 TimeInForce (59) = 0		Tapes A, B and C. For NYSE UTP Tape A: • ALO and MinPegQty are supported instructions • Odd Lot quantities are supported • DisplayInd will be processed as specified For NYSE Pillar A, B and C symbols: • ALO will be rejected • MinPegQty will be rejected • Odd lot quantities will be rejected • DisplayInd will be ignored and the eQuote will be displayed
13	Zero Publish Reserve Pegging eQuote with Display Reserve to DMM	eQuoteType (9478) = EQDB DisplayInd (9479) = Y ResPubQty (9480) = 0 PegInd (9561) = Y CeilingFloorPrice (9562) > 0 TimeInForce (59) = 0	RoutingInst (9487) = DNS MinPegQty (9563) OppSideMinSize (9568) MinQuantity (110)	Tapes A, B and C. For NYSE UTP Tape A: • MinPegQty is a supported instruction • Odd Lot quantities are supported • OppSideMinSize and MinQuantity will be ignored For NYSE Pillar A, B and C symbols: • MinPegQty will be rejected • Odd lot quantities

				will be rejected • Either OppSideMinSize or MinQuantity is supported when publish quantity is 0
14	Non Display Reserve Pegging eQuote	eQuoteType (9478) = EQDB DisplayInd (9479) = N ResPubQty (9480) = 0 PegInd (9561) = Y CeilingFloorPrice (9562) > 0 TimeInForce (59) = 0	RoutingInst (9487) = DNS MinPegQty (9563) OppSideMinSize (9568) MinQuantity (110)	Tapes A, B and C. For NYSE UTP Tape A: • MinPegQty is a supported instruction • Odd Lot quantities are supported • DisplayInd will be processed as specified • OppSideMinSize and MinQuantity will be ignored For NYSE Pillar A, B and C symbols: • MinPegQty will be rejected • Odd lot quantities will be rejected • DisplayInd will be ignored and the eQuote will be displayed • Either OppSideMinSize or MinQuantity is supported when publish quantity is 0
15	Discretionary eQuote	eQuoteType (9478) = EQDA DisplayInd (9479) = Y PegInd (9561) = N DiscPriceRng (9565) > 0 DiscMaxVol (9566) > 0 ITSAllInd (9567) = N TimeInForce (59) = 0	RoutingInst (9487) = DNS OppSideMinSize (9568) MinQuantity (110)	Tape A, B and C. For NYSE UTP Tape A: • DiscMaxVol, ITSAllInd, OppSideMinSize and MinQuantity are supported instructions • Odd Lot quantities are supported For NYSE Pillar A, B and C symbols: • DiscMaxVol will be

				ignored • ITSAllInd = N will be handled as ITSAllInd= Y • OppSideMinSize and/or MinQuantity will be rejected • Odd lot quantities will be rejected
16	Discretionary eQuote with ABBO	eQuoteType (9478) = EQDA DisplayInd (9479) = Y PegInd (9561) = N DiscPriceRng (9565) > 0 DiscMaxVol (9566) > 0 ITSAllInd (9567) = Y TimeInForce (59) = 0	RoutingInst (9487) = DNS OppSideMinSize (9568) MinQuantity (110)	Tape A, B and C. For NYSE UTP Tape A: • DiscMaxVol, ITSAllInd, OppSideMinSize and MinQuantity are supported instructions • Odd Lot quantities are supported For NYSE Pillar A, B and C symbols: • DiscMaxVol will be ignored • OppSideMinSize and/or MinQuantity will be rejected • Odd lot quantities will be rejected
17	Reserve Discretionary eQuote	eQuoteType (9478) = EQDB PegInd (9561) = N DiscPriceRng (9565) > 0 DiscMaxVol (9566) > 0 ITSAllInd (9567) = N TimeInForce (59) = 0 Reserve features DisplayInd (9479) and ResPubQty (9480) are available for Reserve Discretionary eQuotes.	RoutingInst (9487) = DNS OppSideMinSize (9568) MinQuantity (110)	Tape A, B and C. For NYSE UTP Tape A: • DiscMaxVol, ITSAllInd, OppSideMinSize and MinQuantity are supported instructions • Odd Lot quantities are supported • DisplayInd will be processed as specified • Zero Publish Reserve Discretionary will be supported For NYSE Pillar A, B and C symbols:

				• DiscMaxVol will be ignored • ITSAllInd = N will be handled as ITSAllInd = Y • OppSideMinSize and/or MinQuantity will be rejected • Odd lot quantities will be rejected • DisplayInd will be ignored and the eQuote will be displayed • Zero Publish Reserve Discretionary will be rejected
18	Reserve Discretionary eQuote with ABBO	eQuoteType (9478) = EQDB PegInd (9561) = N DiscPriceRng (9565) > 0 DiscMaxVol (9566) > 0 ITSAllInd (9567) = Y TimeInForce (59) = 0 Reserve features DisplayInd (9479) and ResPubQty (9480) are available for Reserve Discretionary eQuotes.	RoutingInst (9487) = DNS OppSideMinSize (9568) MinQuantity (110)	Tape A, B and C. For NYSE UTP Tape A: • DiscMaxVol, ITSAllInd, OppSideMinSize and MinQuantity are supported instructions • Odd Lot quantities are supported • DisplayInd will be processed as specified • Zero Publish Reserve Discretionary will be supported For NYSE Pillar A, B and C symbols: • DiscMaxVol will be ignored • OppSideMinSize and/or MinQuantity will be rejected • Odd lot quantities will be rejected • DisplayInd will be ignored and the eQuote will be displayed • Zero Publish

				Reserve Discretionary will be rejected
19	Pegging Discretionary eQuote	eQuoteType (9478) = EQDA DisplayInd (9479) = Y PegInd (9561) = Y CeilingFloorPrice (9562) > 0 DiscPriceRng (9565) > 0 DiscMaxVol (9566) > 0 ITSAllInd (9567) = N TimeInForce (59) = 0	RoutingInst (9487) = DNS MinPegQty (9563) OppSideMinSize (9568) MinQuantity (110)	Tape A, B and C. For NYSE UTP Tape A: • DiscMaxVol, ITSAllInd, OppSideMinSize and MinQuantity are supported instructions • MinPegQty is supported • Odd Lot quantities are supported For NYSE Pillar A, B and C symbols: • DiscMaxVol will be ignored • ITSAllInd = N will be handled as ITSAllInd= Y • OppSideMinSize and/or MinQuantity will be rejected • MinPegQty will be rejected • Odd lot quantities will be rejected
20	Pegging Discretionary eQuote with ABBO	eQuoteType (9478) = EQDA DisplayInd (9479) = Y PegInd (9561) = Y CeilingFloorPrice (9562) > 0 DiscPriceRng (9565) > 0 DiscMaxVol (9566) > 0 ITSAllInd (9567) = Y TimeInForce (59) = 0	RoutingInst (9487) = DNS MinPegQty (9563) OppSideMinSize (9568) MinQuantity (110)	Tape A, B and C. For NYSE UTP Tape A: • DiscMaxVol, ITSAllInd, OppSideMinSize and MinQuantity are supported instructions • MinPegQty is supported • Odd Lot quantities are supported For NYSE Pillar A, B and C symbols: • DiscMaxVol will be ignored • OppSideMinSize and/or MinQuantity

				will be rejected • MinPegQty will be rejected • Odd lot quantities will be rejected
21	Reserve Pegging Discretionary eQuote	eQuoteType (9478) = EQDB PegInd (9561) = Y CeilingFloorPrice (9562) > 0 DiscPriceRng (9565) > 0 DiscMaxVol (9566) > 0 ITSAllInd (9567) = N TimeInForce (59) = 0 Reserve features DisplayInd (9479) and ResPubQty (9480) are available for Reserve Pegging Discretionary eQuotes.	RoutingInst (9487) = DNS MinPegQty (9563) OppSideMinSize (9568) MinQuantity (110)	Tape A, B and C. For NYSE UTP Tape A: • DiscMaxVol, ITSAllInd, OppSideMinSize and MinQuantity are supported instructions • MinPegQty is supported • Odd Lot quantities supported • DisplayInd will be processed as specified • Zero Publish Reserve Discretionary will be supported For NYSE Pillar A, B and C symbols: • DiscMaxVol will be ignored • ITSAllInd = N will be handled as ITSAllInd= Y • OppSideMinSize and/or MinQuantity will be rejected • MinPegQty will be rejected • Odd lot quantities will be rejected • DisplayInd will be ignored and the eQuote will be displayed • Zero Publish Reserve Discretionary will be rejected

22	Reserve Pegging Discretionary eQuote with ABBO	eQuoteType (9478) = EQDB PegInd (9561) = Y CeilingFloorPrice (9562) > 0 DiscPriceRng (9565) > 0 DiscMaxVol (9566) > 0 ITSAllInd (9567) = Y TimeInForce (59) = 0 Reserve features DisplayInd (9479) and ResPubQty (9480) are available for Reserve Pegging Discretionary eQuotes with ABBO.	RoutingInst (9487) = DNS MinPegQty (9563) OppSideMinSize (9568) MinQuantity (110)	Tape A, B and C. For NYSE UTP Tape A: • DiscMaxVol, ITSAllInd, OppSideMinSize and MinQuantity are supported instructions • MinPegQty is supported • Odd Lot quantities supported • DisplayInd will be processed as specified • Zero Publish Reserve Discretionary will be supported For NYSE Pillar A, B & C symbols: • DiscMaxVol will be ignored • OppSideMinSize and/or MinQuantity will be rejected • MinPegQty will be rejected • Odd lot quantities will be rejected • DisplayInd will be ignored and the eQuote will be displayed • Zero Publish Reserve Discretionary will be rejected
23	Discretionary eQuote designated for the Open	eQuoteType (9478) = EQDA DisplayInd (9479) = Y PegInd (9561) = N CeilingFloorPrice (9562) > 0 DiscMaxVol (9566) > 0 TimeInForce (59) = 2		Tapes A, B and C. For NYSE Pillar Tape B and C symbols, eQuotes of this type will be sent to the Primary market for execution.

24	Discretionary eQuote designated for the Close	eQuoteType (9478) = EQDA DisplayInd (9479) = Y PegInd (9561) = N CeilingFloorPrice (9562) > 0 DiscMaxVol (9566) > 0 TimeInForce (59) = 0		Tapes A, B and C. For NYSE Pillar Tape B and C symbols, eQuotes of this type will be sent to the Primary market for execution.
25	RPI eQuote	eQuoteType (9478) = EQAA DisplayInd (9479) = Y TimeInForce (59) = 0 RoutingInst (9487) = RPI OffsetPrice (9403) > 0		Tapes A

5 ATS-Specific Field Values

5.1 Clearpool Group

Tag	Field Name	Req'd	Comments
100	ExDestination	Y	CPEM
9400	RoutStrategy	Y	Specifies the Clearpool destination or routing strategy
6102	ClearpoolDestination	N	If specified, will override the value in tag 9400 (RoutStrategy)
6103	StartTime	N	Start Time – used for algos. GMT time formatted in FIX timestamp format YYYYMMDD-HH:MM:SS
6104	EndTime	N	End Time – used for algos. GMT time formatted in FIX timestamp format YYYYMMDD-HH:MM:SS
6105	MinPctVolume	N	Min volume percentage. Valid values are 1–100.
6106	MaxPctVolume	N	Max volume percentage. Valid values are 1–100.
6107	TgtPctVolume	N	Target volume participation. The strategy will attempt to trade up to this percentage of total market volume. Valid values are 1–100.
6108	Urgency	N	Valid values are 1–5. 1 is lowest and 5 is highest.
6109	OptInOpen	N	Opening Auction Participation. Valid values: Y or N
6110	OptInClose	N	Closing Auction Participation. Valid values: Y or N
6111	BuyBack	N	Rule-10b18 (corporate buyback) eligible. Valid values: Y or N
6113	IWouldPrice	N	For buy/sell orders the value should be less/greater than the LimitPrice or current NBBO. Price up to 4 decimal places.
6114	UpperBandPrice	N	Upper Band Price up to 4 decimal places.
6115	UpperBandPctVol	N	Upper Band Percent Volume. Valid values are 1–100.
6116	LowerBandPrice	N	Lower Band Price up to 4 decimal places.
6117	LowerBandPctVol	N	Lower Band Percent Volume. Valid values are 1–100.
6118	StrategyConfig	N	Client-specific value
9140	DisplayInst	C	Required for imbalance-only orders. Tags 40 (OrdType) and 59 (TimeInForce) are required. Valid values: 'I' – Imbalance

Tag	Field Name	Req'd	Comments
9303	Routable	N	Used to indicate if a destination is routable or not. If this flag is not present, Clearpool will use the default value based on the strategy chosen. Valid values: Y or N

5.2 CODA Markets ATS

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>CODA</td></tr>
<tr><td>7800</td><td>CustomGroup</td><td>N</td><td>If set, enables grouping of customer accounts for special processing.</td></tr>
<tr><td>9400</td><td>RoutStrategy</td><td>N</td><td>Specifies CODA’s order handling/routing instructions:
<table>
<tr><td>‘CODAMICRO’</td><td>CODA MICRO</td></tr>
<tr><td>‘CBLOCK’</td><td>CODA BLOCK. Orders directed to CODA BLOCK are not eligible for outbound routing.</td></tr>
<tr><td>‘CODAONE’</td><td>CODA ONE. Orders directed to CODA ONE that qualify for CODA BLOCK are also not eligible for outbound routing.</td></tr>
<tr><td>Custom Values</td><td>CODA custom values and routing configurations are agreed upon in advance</td></tr>
</table></td></tr>
</table>

5.3 FIS Fox River Electronic Strategies

Tag	Field Name	Req'd	Comments
100	ExDestination	Y	VAES
847	TargetStrategy	Y	Specifies the Fox River execution strategy. Valid values: '1' – Fox VWAP '3' – Fox Alpha '1000' – Fox Spotlight '1009' – Custom '1025' – POV '1028' – Fox Dark Attack '1030' – DMA '1031' – Fox Blaster '1035' – Fox TWAP '1050' – Fox Pyramid '1051' – Dark Sweep '1053' – Fox Smart Router '1070' – TWAP '1071' – VWAP '1100' – Fox Vision (Retail Flow Only) '1200' – Open '1201' – Close
9400	RoutStrategy	N	For TargetStrategy=DMA (847=1030), specifies the routing destination: **US Exchanges** 'AMEX' – NYSE American 'ARCA' – NYSE ARCA 'BATS' – CBOE BZX 'BATSY' – CBOE BYX

Tag	Field Name	Req'd	Comments	
			‘BX’	NASDAQ BX
			‘CHX’	NYSE Chicago
			‘EDGA’	CBOE EDGA
			‘EDGX’	CBOE EDGX
			‘EPRL’	MIAX Pearl Equities
			‘IEX’	Investors Exchange
			‘LTSE’	Long Term Stock Exchange
			‘MEMX’	Members Exchange
			‘NSDQ’	NASDAQ
			‘NSX’	NYSE National
			‘NYSE’	New York Stock Exchange
			‘PSX’	NASDAQ PSX
			CA Exchanges	
			‘AEQL’	Aequitas Lit
			‘AEQN’	Aequitas Neo
			‘CHIC’	NASDAQ Chi-X
			‘CNQ’	Canadian National Exchange
			‘OMGA’	Omega
			‘PURE’	Pure
			‘XATS’	Alpha
			‘XTSE’	Toronto Stock Exchange
18	ExecInst	Y	Valid Values:	
			‘1’	Not Held
			‘E’	DNI
			‘F’	DNR
582	CustomerOrder Capacity	N	Valid when 847=1100 (TargetStrategy=Fox Vision). Valid Values:	

Tag	Field Name	Req'd	Comments
			‘5’ — Retail order
849	PartRateLimit	N	Participation rate limit (e.g. 5 = 5%) Valid Values: 0 < X <=100. Must be greater than or equal to PartRateTarget if set.
9607	PartRateTarget	N	Percentage of traded volume (e.g. 5 = 5%) Valid Values: 0 < X <=100. Must be less than or equal to PartRateLimit, if set.
9609	Elasticity	N	How much leeway the model has to be off the expected fill rate. Valid Values: ‘0’ — Low ‘1’ — Medium ‘2’ — High
9612	Aggressiveness	N	Valid Values: ‘0’ — Low ‘1’ — Medium ‘2’ — High
9617	IWouldMinFill	N	Minimum fill quantity in Dark Pool. Must be greater than or equal to lot size of security. Only valid when 9714=Y.
9712	IWouldAgg	N	Aggressiveness in darks. Only valid when 9714=Y. Valid Values: ‘1’ — Least aggressive ‘2’ – ‘9’ — Aggressiveness level ‘10’ — Most aggressive
9714	IWouldDark	N	Valid Values: ‘Y’ — Allows the order to be completed in dark venues at any time

Tag	Field Name	Req'd	Comments
			‘N’ — Pacing will not be affected by fills from dark venues
9719	SweepPrice	N	Price willing to sweep all available liquidity
9720	PriceLevel1	N	Price level POVRate1 and IWouldDark1 are in effect
9721	POVRate1	N	Participation Rate to execute at when PriceLevel1 is active. Example: .1 = 10%. Required if PriceLevel1 is populated.
9722	IWouldDark1	N	Valid Values: ‘Y’ — Allows the order to be completed in dark venues at any time ‘N’ — Pacing will not be affected by fills from dark venues
9723	PriceLevel2	N	Price level POVRate2 and IWouldDark2 are in effect
9724	POVRate2	N	Participation Rate to execute at when PriceLevel2 is active. Example: .1 = 10%. Required if PriceLevel2 is populated.
9725	IWouldDark2	N	Valid Values: ‘Y’ — Allows the order to be completed in dark venues at any time ‘N’ — Pacing will not be affected by fills from dark venues
9726	PriceLevel3	N	Price level POVRate3 and IWouldDark3 are in effect
9727	POVRate3	N	Participation Rate to execute at when PriceLevel3 is active. Example: .1 = 10%. Required if PriceLevel3 is populated.
9728	IWouldDark3	N	Valid Values: ‘10’ — Flashlight (Lit and Dark) ‘11’ — Lit Only ‘12’ — Custom Sweep 1 ‘13’ — Custom Sweep 2 ‘14’ — Custom Sweep 3
9729	SweepType	N	Valid when 847=1053 (TargetStrategy = Fox Smart Router)

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td>Valid Values:
<table><tr><td>‘Y’</td><td>Allows the order to be completed in dark venues at any time</td></tr><tr><td>‘N’</td><td>Pacing will not be affected by fills from dark venues</td></tr></table></td></tr>
<tr><td>9730</td><td>PyramidStrategy</td><td>Y*</td><td>Required when 847=1050 (TargetStrategy=Fox Pyramid).

Valid Values:
<table><tr><td>‘1060’</td><td>POV</td></tr><tr><td>‘1061’</td><td>TWAP</td></tr><tr><td>‘1062’</td><td>VWAP</td></tr><tr><td>‘1063’</td><td>Dark Attack</td></tr><tr><td>‘1064’</td><td>Alpha</td></tr></table></td></tr>
<tr><td>9740</td><td>DollarCertainLimit</td><td>N</td><td>Maximum dollar amount of trade including DollarCertainCommission</td></tr>
<tr><td>9741</td><td>DollarCertain Commission</td><td>N</td><td>Commission cost on a cents-per-share basis (e.g. .01 = 1 cent)</td></tr>
<tr><td>9742</td><td>DollarCertain Execution</td><td>N</td><td>This must be set to ‘Y’ in order for DollarCertainLimit and DollarCertainCommission to be in effect</td></tr>
<tr><td>9760</td><td>Open %</td><td>N</td><td>The percentage of the order to place on the open. Ignored if the order start time is after the open.</td></tr>
<tr><td>9761</td><td>Open % Type</td><td>N</td><td>Determines how tag 9760 is used. If no value is sent, % Order is used.

Valid Values:
<table><tr><td>‘0’</td><td>% Order</td></tr><tr><td>‘1’</td><td>% ADV</td></tr><tr><td>‘2’</td><td>% Open Volume</td></tr></table></td></tr>
<tr><td>9762</td><td>Close %</td><td>N</td><td>The percentage of the order to place on the close</td></tr>
<tr><td>9763</td><td>Close % Type</td><td></td><td>Determines how tag 9762 is used. If no value is sent, % Order is used.</td></tr>
</table>

Tag	Field Name	Req'd	Comments
			Valid Values: '0' — % Order '1' — % ADV '2' — % Close Volume
9770	Behavior	Y*	Required when 847=1009 (TargetStrategy=Custom). The behavior of the custom strategy used to execute the trade. Valid Values: '1' — Custom 1 '2' — Custom 2 '3' — Custom 3 '4' — Custom 4 '5' — Custom 5
9771	SmartDisplay	N	Use smart logic to determine display size. Ignored when MaxFloor is specified. Valid when 847=1053 (TargetStrategy = Fox Smart Router). Valid values: Y or N
99976	CorpBuyBack	N	Y or N. 10b-18 Corporate Repurchase. Only valid when 9719 is not set.

5.4 Hudson River Trading Single Dealer Platform (SDP)

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>HRTX</td></tr>
<tr><td>18</td><td>ExecInst</td><td>N</td><td>Execution instructions for the order when 38 (OrdType) = P (Pegged).

Invalid or unsupported values will be rejected or not honored.

Valid values:
<table><tr><td>‘M’</td><td>Mid Peg</td></tr></table></td></tr>
<tr><td>40</td><td>OrdType</td><td>Y</td><td>Order type

Valid values:
<table><tr><td>‘1’</td><td>Market</td></tr><tr><td>‘2’</td><td>Limit</td></tr><tr><td>‘P’</td><td>Pegged (for mid-peg orders only)</td></tr></table></td></tr>
<tr><td>59</td><td>TimeInForce</td><td>Y</td><td>Specifies how long the order remains in effect.

Valid values:
<table><tr><td>‘3’</td><td>IOC (Immediate Or Cancel)</td></tr></table></td></tr>
</table>

Note: Cancel and Cancel/Replace requests are not supported by HRT because all orders are treated as IOC (Immediate Or Cancel).

5.5 Instinet North-American Equity Trading Solutions

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>INCA</td></tr>
<tr><td>9400</td><td>RoutStrategy</td><td>N</td><td>Specifies Instinet’s routing destination:
<table>
<tr><td colspan="2">Equities:</td></tr>
<tr><td>‘AMEX’</td><td>NYSE American (NYSE MKT)</td></tr>
<tr><td>‘ARCX’</td><td>ARCA</td></tr>
<tr><td>‘BATS’</td><td>BATS BZX</td></tr>
<tr><td>‘BYX’</td><td>BATS BYX</td></tr>
<tr><td>‘CHX’</td><td>Chicago Stock Exchange</td></tr>
<tr><td>‘EDGA’</td><td>EDGE A</td></tr>
<tr><td>‘EDGX’</td><td>EDGE X</td></tr>
<tr><td>‘IEXG’</td><td>IEX Exchange</td></tr>
<tr><td>‘INET’</td><td>NASDAQ</td></tr>
<tr><td>‘NQBX’</td><td>NASDAQ OMX BX</td></tr>
<tr><td>‘NQPX’</td><td>NASDAQ OMX PHLX</td></tr>
<tr><td>‘NYSE’</td><td>NYSE</td></tr>
<tr><td>‘NSX’</td><td>NYSE National</td></tr>
<tr><td>‘SMART’</td><td>Instinet SMART Router</td></tr>
<tr><td>‘SMRTIL’</td><td>Instinet SMART Inter-listed Router</td></tr>
<tr><td>‘SMRTEQTYSWPX’</td><td>Instinet SMART Sweep and Cross</td></tr>
<tr><td>‘CBX’</td><td>Instinet CBX™ (Continuous Liquidity Cross)</td></tr>
<tr><td>‘VWAPX’</td><td>Instinet VWAPX™ (Full Day VWAP Liquidity Cross)</td></tr>
<tr><td>‘VWAPX3’</td><td>Instinet VWAPX™ (Last Hour VWAP Liquidity Cross)</td></tr>
<tr><td>‘BLOCKX’</td><td>Instinet BlockCross</td></tr>
<tr><td>‘NY_INTL’</td><td>Instinet NY International Trading Desk</td></tr>
<tr><td>‘NY_GPT’</td><td>Instinet NY Global Portfolio Trading</td></tr>
</table></td></tr>
</table>

Tag	Field Name	Req'd	Comments

	Desk
‘NY_INST’	Instinet NY Institutional Trading Desk
‘NY_BRKRD’	Instinet NY Broker Dealer Trading Desk
‘MOCXFULL’	Instinet MOCX Route Away
‘NY_WOD’	Instinet NY Working Orders Trading Desk
‘CA_INST’	Instinet Canada Institutional Trading Desk

Options:	
‘BATSO’	BATS (BZX) Options Exchange
‘BOXO’	Boston Options Exchange (BOX)
‘C2O’	C2 Options Exchange Inc
‘CBOEO’	Chicago Board Options Exchange
‘EDGXO’	EDGX Options Exchange
‘GEMINI’	GEMINI (ISE)
‘ISEMO’	ISE Mercury
‘ISEO’	International Securities Exchange, LLC (ISE) – Options
‘MIAX’	Miami International Securities Exchange – Options
‘MIAXPRL’	MIAX Pearl Exchange
‘XBXO’	NASDAQ OMX BX Options
‘NASDAQO’	NASDAQ Options Market
‘AMEXO’	NYSE AMEX Options
‘PCXO’	NYSE ARCA Options
‘PHLXO’	Philadelphia Options Exchange

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td><table>
<tr><td>‘SMARTOPT’</td><td>Instinet Smart Options Router (for simple options)</td></tr>
<tr><td>‘SMARTOPTS’</td><td>Instinet Smart Options Spread Router (for complex options)</td></tr>
<tr><td>‘SMARTOPTCROSS’</td><td>Instinet Smart Options Sweep and Cross</td></tr>
<tr><td>‘NY_EVNT’</td><td>Instinet Derivatives Trading Desk (Newport3 Desk)</td></tr>
</table></td></tr>
<tr><td>9280</td><td>AllowReroute</td><td>N</td><td>By default, DMA orders to the core without a routing strategy are sent as book-only orders to all exchanges.

If the AllowReroute tag is set to ‘Y’, Instinet will send a routable order to the exchange.</td></tr>
</table>

5.6 Jane Street Capital JX System

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>100</td><td>ExDestination</td><td>Y</td><td>JSJX</td></tr>
<tr><td>18</td><td>ExecInst</td><td>C</td><td>Execution instructions for the order when 38 (OrdType) = P (Pegged).

Required for pegged orders.

Valid values:
<table><tr><td>‘P’</td><td>Market Peg (Buy at NBO, Sell at NBB)</td></tr><tr><td>‘M’</td><td>Midpoint Peg</td></tr><tr><td>‘R’</td><td>Primary Peg (Buy at NBB, Sell at NBO)</td></tr></table></td></tr>
<tr><td>40</td><td>OrdType</td><td>Y</td><td>Order type

Valid values:
<table><tr><td>‘1’</td><td>Market</td></tr><tr><td>‘2’</td><td>Limit</td></tr><tr><td>‘P’</td><td>Pegged (for mid-peg orders only)</td></tr></table></td></tr>
<tr><td>59</td><td>TimeInForce</td><td>Y</td><td>Specifies how long the order remains in effect.

Valid values:
<table><tr><td>‘3’</td><td>IOC (Immediate Or Cancel)</td></tr><tr><td>‘4’</td><td>FOK (Fill Or Kill)</td></tr></table></td></tr>
</table>

Note: Cancel and Cancel/Replace requests are not supported by JSJX because all orders are treated as IOC (Immediate Or Cancel) or FOK (Fill Or Kill).

5.7 Lynx Capital

Tag	Field Name	Req'd	Comments
100	ExDestination	Y	LYNX
9400	RoutStrategy	Y	Specifies the Lynx routing strategy.
76	ExecBroker	N	Lynx routing instruction. Can be one of ‘ARCA’, ‘BATS’, ‘EDGX’, ‘NSDQ’, ‘NYSE’, ‘EDGA’, ‘BATY’, ‘NQBX’ or ‘NPSX’. Required for some tag 9400 values.
1031	OrderHandlingInst	N	Specifies the Lynx order handling instruction. Valid values: ‘FB’ – Allow principal trading ‘FA’ – Forbid principal trading If not present, will use the default as per client contract.
9140	EdgeDisplayIndicator	N	Y/N, default is Y. Can be used instead of MaxFloor = 0 to indicate a hidden order for Edge strategies.
9479	BatsDisplayIndicator	N	Y/N, default is Y. Can be used instead of MaxFloor = 0 to indicate a hidden order for Bats strategies.

5.8 OTC Link ECN

Tag	Field Name	Req'd	Comments
100	ExDestination	Y	OTCX
9111	RefreshBelowShow	N	Flag indicating when reserve order will refresh; below minimum quote size or below MaxFloor (show size). Valid values: ‘Y’ – Below MaxFloor ‘N’ – Below Minimum Quote Size (Default)
9534	UnsolicitedFlag	N	Valid values: ‘Y’ – Order is unsolicited ‘N’ – Order is not unsolicited (Default)

5.9 SpeedRoute

Tag	Field Name	Req'd	Comments
100	ExDestination	Y	SPDR
9400	RoutStrategy	Y	Specifies the SpeedRoute destination or routing strategy. Valid values:

‘ARCA’	ARCA Exchange
‘ARCA.CORE’	ARCA – eligible for Core Market session only
‘ARCA.ILMT’	ARCA – inside limit order
‘ARCA.ONLY’	ARCA – non-routable
‘ARCA.ONLYP’	ARCA – non-routable, add liquidity only
‘ARCA.PL’	ARCA – passive liquidity order
‘ARCA.POST’	ARCA – eligible for Post Market session only
‘ARCA.PRE’	ARCA – eligible for Pre Market session only
‘ARCX’	ARCA – global OTC
‘BATS’	BATS “Z” Exchange – routable
‘BATS.ONLY’	BATS – non-routable
‘BATS.ONLYP’	BATS – non-routable, add liquidity only
‘BATSY’	BATS “Y” Exchange – routable
‘BATSY.ONLY’	BATS Y – non-routable
‘BATSY.ONLYP’	BATS Y – non-routable, add liquidity only
‘CHX’	Chicago Stock Exchange
‘IEXG’	IEX Book only
‘IEXG.DSCP’	IEX Discretionary pegged
‘IEXG.RTR’	IEX-Route to Take with Re-sweep
‘IEXG.RTR+’	IEX-Route to Rest with Re-sweep
‘IEXG.TAKE’	IEX routable

Tag	Field Name	Req'd	Comments	
			'NQBX'	NASDAQ BX (Boston Exchange) – non-routable
			'NQBX.BSTG'	NASDAQ BX (Boston Exchange) – routable
			'NQPX'	NASDAQ PSX (Philadelphia Exchange) – non-routable
			'NQPX.PSTG'	NASDAQ PSX (Philadelphia Exchange) – routable
			'NSDQ'	NASDAQ Exchange – non-routable
			'NSDQ.CORE'	NASDAQ – eligible for Core Market session only
			'NSDQ.IMBL'	NASDAQ – Imbalance only for closing auction orders
			'NSDQ.ONLYP'	NASDAQ – non-routable, add liquidity only
			'NSDQ.POST'	NASDAQ – eligible for Post Market session only
			'NSDQ.PRE'	NASDAQ – eligible for Pre Market session only
			'NSDQ.xxxx'	NASDAQ – Routing Strategies "xxxx" represents value indicating a NASDAQ routing strategy (e.g. NSDQ.STGY, NSDQ.SCAN, etc.)
			'NSX'	National Stock Exchange
			'NYSE'	New York Stock Exchange – routable
			'NYSE.BoothID'	NYSE – Broker Booth Sub Route indicating floor broker Booth ID
			'NYSE.CO'	NYSE – Closing Offset-used in conjunction with limit order type only
			'NYSE.DQ'	NYSE – Routes to NYSE Floor brokers as a d-quote order
			'NYSE.EQ'	NYSE – Routes to NYSE Floor brokers as an e-quote order
			'NYSE.ONLY'	NYSE – non-routable

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><td>‘NYSE.ONLYP’</td><td>NYSE – non-routable, add liquidity only</td></tr>
<tr><td>‘SOR’</td><td>SpeedRoute SOR – can be combined with 9014 (StrategyType) to access customized routing strategies</td></tr>
<tr><td>‘XEDGA’</td><td>Direct Edge “A” Exchange (EDGA) – routable</td></tr>
<tr><td>‘XEDGA.ONLY’</td><td>EDGA – non-routable</td></tr>
<tr><td>‘XEDGA.ONLYP’</td><td>EDGA – non-routable, add liquidity only</td></tr>
<tr><td>‘XEDGA.xxxx’</td><td>EDGA – eligible routing strategies, where “xxxx” indicates the EGDA routing strategy (e.g. XEDGA.ROUT, XEDGA.ROUX, etc.)</td></tr>
<tr><td>‘XEDGX’</td><td>Direct Edge “X” Exchange (EDGX) – routable</td></tr>
<tr><td>‘XEDGX.ONLY’</td><td>EDGX – non-routable</td></tr>
<tr><td>‘XEDGX.ONLYP’</td><td>EDGX – non-routable, add liquidity only</td></tr>
<tr><td>‘XEDGX.xxxx’</td><td>EDGX – eligible routing strategies, where “xxxx” indicates the EGDX routing strategy (e.g. XEDGX.ROUT, XEDGX.ROUX, etc.)</td></tr>
</table>
</td></tr>
<tr><td>9013</td><td>OrdTypeEx</td><td>N</td><td>Special Order Type.

Valid values:
<table>
<tr><td>‘ISO’</td><td>Intermarket Sweep Order</td></tr>
<tr><td>‘MOC’</td><td>Market On Close</td></tr>
<tr><td>‘MOO’</td><td>Market On Open</td></tr>
<tr><td>‘LOC’</td><td>Limit On Close</td></tr>
<tr><td>‘LOO’</td><td>Limit On Open</td></tr>
<tr><td>‘MKTPEG’</td><td>Market Peg</td></tr>
<tr><td>‘PRIMPEG’</td><td>Primary Peg</td></tr>
<tr><td>‘MIDPEG’</td><td>Midpoint Peg</td></tr>
<tr><td>‘HID’</td><td>Hidden Order</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>Tag</th><th>Field Name</th><th>Req'd</th><th>Comments</th></tr>
<tr><td>9014</td><td>StrategyType</td><td>N</td><td>SpeedRoute Strategy Type:
<table>
<tr><td>‘DARK’</td><td>Managed Route.
Required tags: 9400=SOR, 9014=DARK</td></tr>
<tr><td>‘DARKF’</td><td>Low Cost Dark Route.
Required tags: 9400=SOR, 9014=DARKF</td></tr>
<tr><td>‘DARKMAX’</td><td>Max Liqudity Route.
Required tags: 9400=SOR, 9014=DARKMAX</td></tr>
<tr><td>‘DARKMID’</td><td>Midpoint Dark Route.
Required tags: 9400=SOR, 9013=MIDPEG, 9014=DARKMID</td></tr>
<tr><td>‘DUSK’</td><td>SMART before Directed Route.
Required tags: 9400=SOR, 9014=DUSK or 9400=SOR.xxxx, 9014=DUSK, where ‘xxxx’ represents a client-specified venue</td></tr>
<tr><td>‘POST’</td><td>Post-only Route.
Required tags: 9400=SOR, 9014=POST</td></tr>
<tr><td>‘PNKBB1’</td><td>Pink and Bully Route.
Required tags: 9400=SOR, 9014=PNKBB1</td></tr>
<tr><td>‘REBATE’</td><td>Rebate Route.
Required tags: 9400=SOR, 9014=REBATE</td></tr>
<tr><td>‘PROP’</td><td>Prop Route.
Required tags: 9400=SOR, 9014=PROP</td></tr>
<tr><td>‘IEX+’</td><td>Required tags: 9400=SOR, 9014=IEX+</td></tr>
<tr><td>‘SPDRM’</td><td>Required tags: 9400=SOR, 9014=SPDRM</td></tr>
<tr><td>‘SPDRX’</td><td>Required tags: 9400=SOR, 9014=SPDRX</td></tr>
</table></td></tr>
<tr><td>9303</td><td>RoutingInst</td><td>N</td><td>This tag is passed through as is to the respective exchange. The precise meaning depends on the exchange/route. The following table lists the route-specific values and their respective meanings:
<table>
<tr><td>‘DNRI’</td><td>Do Not Reduce/Increase – required for GTC orders (59=1)
Applicable Route(s): ARCA</td></tr>
</table></td></tr>
<tr><td>9827</td><td>Trader ID</td><td>N</td><td>Identifies Trader ID for additional billing pass-through</td></tr>
</table>

Tag	Field Name	Req'd	Comments
9058	TextMemo	N	Text Memo Field (Maximum of 20 characters)
6062	StartTime	N	Start Time – used for algos. Order start time as expressed in the executing market’s local time in GMT. Must be formatted in FIX timestamp format YYYYMMDD-HH:MM:SS
6063	EndTime	N	End Time – used for algos. Order end time as expressed in the executing market’s local time in GMT. Must be formatted in FIX timestamp format YYYYMMDD-HH:MM:SS
6064	MaxPctVolume	N	Max volume percentage. Valid values are 1–75.
6065	ExecutionStyle	N	Aggressiveness. Valid values are 1–5. Default is 2.
6067	MinPctVolume	N	Min volume percentage. Valid values are 1–75.
6068	OptInOpen	N	Valid values: ‘0’ Unchecked ‘1’ Checked
6069	OptInClose	N	Valid values: ‘0’ Unchecked ‘1’ Checked
6070	CompletionPrice	N	Price at which to activate the order completion logic. 4 decimal places for prices under $1.00, 2 decimal places for prices above or equal to $1.00
6071	TgtPctVolume	C	Target volume percentage. The POV strategy will attempt to trade up to this percentage of total market volume. Valid values are 1–75.
6072	RiskAversion	N	Valid values are 0–5. Default is 1.
6073	WaitBetweenFills	N	Time between child orders (in seconds)
6074	BuyBack	N	Set to ‘1’ if Rule 10b-18 eligible, else no value.
6075	MaxLiqRebate	N	Set to ‘1’ to apply. Orders may not finish when set.
6076	Duration	N	Duration (in minutes) denoting how long the algo should run. StopPx (tag 99) is required for this to work.
6077	VenueInst	N	Valid values: ‘DARK’ Dark Pools only

Tag	Field Name	Req'd	Comments
			'LIT' Lit exchanges only If not present, defaults to both dark and lit venues eligibility.
6078	Benchmark	N	The benchmark price for the order
6079	Upper Participation	N	Upper Participation
6080	Upper Participation Threshold	N	Upper Participation Threshold
6081	Lower Participation	N	Lower Participation
6082	Lower Participation Threshold	N	Lower Participation Threshold
6083	AuctionQty	C	Required when 6068 (OptInOpen) or 6069 (OptInClose) is '1'
55555	ExtParams	N	Used to pass custom algo tags which are native to the destination of the client's choice. The format is: "55555=field1=value1|field2=value2|field3=value3| This is the same format as a FIX message with the exception that a pipe character "|" is being used in place of the FIX delimiter. The tag=value chain must terminate with the pipe character "|". Example: 55555=9019=1|9027=50| This tag is typically used to access third party algorithmic services like Credit Suisse, Bank of New York, Smith Barney, JP Morgan and Knight via SpeedRoute.