



# Platform Routing Manual

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## Overview

The trading platform provides direct access to all US equity and option exchanges through every available market route. There are currently 7 different equity routes and 3 option routes available through the platform. The routing choices are as follows:

## Equity Routes

**PowerShares QQQ Trust, Series [G]**

QQQQ 43.53 -1.17 -2.62% 100 Vol 221375163

Open 44.40 Hi 44.43 Low 43.32 Close 44.70 VWAP  
 Bid 43.52 Ask 43.54 BVol AVol NAS

Route	Price	Volume	Order Type
Archip	43.52	6196	Buy
NSDQ	43.52	2	Buy
Island	43.52	600	Buy
BOSX	43.52	1	Buy
ISEG	43.52	2	Buy
ARCA	43.52	62	Buy
Archip	43.51	200	Buy
Island	43.51	1070	Buy
Island	43.53	4	Sell
Island	43.54	4100	Sell
ISEG	43.54	3	Sell
ARCA	43.55	241	Sell
Archip	43.55	2410	Sell
Island	43.55	3190	Sell
BOSX	43.55	1	Sell
Archip	43.56	2410	Sell

Price: [ ] Volume: 500 Stop Price: [ ] VolType: Part

Route: ISLD Expiration: Day AccountType: Margin ReserveAmount: [ ]

Order Options:  Bid/Offer  Short  PrefMMID

Buttons: Sell 43.52 Short >> Cxl R P

Dropdown Menu: ISLD, ARCA, NYSE, MLX, EDGE, CITX, BATS

ISLD: Nasdaq Market Center - otc, listed, otccb, pinksheets

ARCA: NYSE ARCA - otc, listed, otccb, pinksheets

NYSE: Floor Specialists - NYSE, AMEX and Regional Exchanges

MLX: Floor Specialists – NYSE and AMEX

EDGE: Direct Edge ECN - otc, listed, otccb, pinksheets

CITX: ATD/CITI Smart Route – otc, listed, otccb, pinksheets

BAT: Bats ECN – otc, listed, otccb

EASE: BOFA / Merrill Lynch Algorithmic Route – otc, listed

## Option Routes

QQQQ FEBO 24.00 CALL [100]

QAVBX# 22.29 0.00% 400 Vol 0

Open Hi Low Close 22.29 VWAP  
 Bid 19.49 Ask 19.76 BVol AVol OPRA

Exch	Bid	Ask	Bid Size	Ask Size
QQQQ Root	43.52	43.53	2	1
BSE	19.48	19.76	400	400
ISE	19.49	19.76	765	15
CBO	19.49	19.76	400	41
PSE	19.49	19.76	400	40
ASE	19.49	19.76	400	40

Price: [ ] Volume: 10 Stop Price: LMT VolType: Part

Route: ITS Expiration: Day AccountType: Margin ReserveAmount: [ ]

Order Options:  
 Bid/Offer  
 Short  
 PrefMMID

Buttons: Sell 19.49 Short >> Cxl R P

Route dropdown menu:  
 MLO  
 ITS  
 IBO

ITS: Penson Market Route - all option exchanges

IBO: Option Smart Route - all option exchanges

MLO: Merrill Lynch Market Route – all option exchanges

## **Route: ARCA - Listed, OTC, OTCBB**

### **NYSE ARCA** - formally known as ArcaEx



**History:** In January 1997, the U.S. Securities and Exchange Commission (SEC) implemented new Order Handling Rules that revolutionized trading in NASDAQ securities. The new rules created the opportunity for Electronic Communications Networks (ECNs) to interact directly with the NASDAQ National Market<sup>®</sup> System. The Archipelago ECN was formed in December 1996 in response to these rules. In 2007 ArcaEx was purchased by the New York Stock Exchange.

**About:** NYSE Arca features a trading system that searches for the best execution for each order. NYSE Arca has an internal order book. If orders are not matched on the internal order book they are routed to other pools of liquidity (ECNs, Market Makers, etc) for execution.

ARCA is known for its liquidity and smart routing ability. In 2003 ArcaEx purchased the GNET ECN for routing Over-the-counter bulletin board securities (OTCBB). GNET's technology was integrated into the ARCA route in late 2003.

**Size:** As of 1 March 2007, NYSE Arca is the second largest Electronic Communication Network in terms of shares traded. Approximately one out of every six shares traded on the American financial markets is traded on the system. For New York Stock Exchange-listed securities or Tape A, it accounts for just over 10% of the shares traded. For NASDAQ-listed securities, NYSE Arca accounts for approximately 20% of the trading volume. For exchange-traded funds, NYSE Arca accounts for 30-40% of the traded volume.

#### **Minimum Price Increment: 0.01 (not including OTCBB orders)**

The minimum price variation for quoting and entry of orders on NYSE Arca is .01. OTC and Listed sell orders sent to NYSE Arca with a price of more than two (2) decimals will automatically be rounded up to the nearest penny. OTC and Listed buy orders sent to NYSE Arca will be truncated to two (2) decimal places if they are entered with a price of three or more decimals. Sell Order Example: A sell order is entered at \$5.503. NYSE Arca will round up to \$5.51. Buy Order Example: A buy order is entered at \$5.506. NYSE Arca will truncate the price to \$5.50.

#### **How does NYSE Arca determine when to match or route an order?**

NYSE Arca looks for the best price for an order internally or externally. When routing externally, NYSE Arca will route to the Market Participant that has the best order/execution ratio (based on % fill history, time and size shown). For example: Market Participant 1 (MMID1) is bidding \$50.625 for 1000 shares. Market Participant 2 (MMID2) is bidding \$50.625 for 1000 shares. NYSE Arca is bidding \$50 for 500 shares. An order to sell 500 shares at 50 is entered into NYSE Arca. This order will automatically be routed to MMID1 or MMID2 depending on which Market Participant has a better fill history. NYSE Arca facilitates "best execution" for investors and rewards price competition both on and off our system.

#### **Order Representation**

NYSE Arca's top orders are also represented in the NASDAQ National Best Bid/Offer display and NYSE/AMEX display. These orders display as "ARCA" on the Level II screen. All other order from the ARCA book are shown as "Archip" on the Level II screen

## Session Hours

### Opening Session: 8:00 a.m. to 9:30 a.m. ET

- **8:00 a.m. ET** - Opening Auction
- **9:28 a.m. to 9:30 a.m. ET** - Market Order Freeze Period  
Limit Orders are not eligible for the opening session. Market orders may not be canceled.
- **9:30 a.m. ET** - Market Order Auction

### Core Trading Session: 9:30 a.m. to 4:00 p.m. ET

- **3:58 p.m. to 4:00 p.m. ET** - Closing Auction Freeze
- **4:00 p.m. ET** - Auction Run and Closing Price Disseminated  
All Orders entered for the core session will be canceled.

### Extended Hours: 4:00 pm to 8:00 p.m. ET

**8:00 p.m. ET** - Limit Orders entered after 4:00 p.m. ET are canceled.

## ARCA Routing Table

	Limit	Market	Stop-Limit	Stop-Market	Trail-Stop	LMT-Book	Dsc-LMT	Peg-MKT	Peg Best
Day	X	X	X	X	X	X	X	X	X
Day Plus	X								
Now	X	X	X	X	X				
GTC	X		X	X	X	X	X	X	X

**(Not available on OTCBB)**

## Order Type: **LMT (Limit Order)**

**Availability:** All sessions (core and after hours)

- Marketable limit orders are matched with the NYSE Arca Book or are routed to other trading venues when such venues have superior prices than those available on NYSE Arca .
- Order is price improved, if available.
- Non-marketable limit orders are posted to the NYSE Arca Book based on price-time priority.
- The best bid and offer in the Book will be displayed on Nasdaq Level II (MMID=ARCA).

### Limit Order Examples

Book Bids		Book Offers		Away Market Bids		Away Market Offers	
\$50.05	1000	\$50.10	300	\$50.04	500	\$50.09	700
\$50.04	500	\$50.12	2000	\$50.03	100	\$50.10	500
\$50.03	1500	\$50.15	1000	\$50.00	1000	\$50.15	3000

Limit Order: **Buy 1000** shares at **\$50.09**

Result: NYSE Arca routes 700 shares to the away market at \$50.09. The balance of 300 shares is posted to the NYSE Arca Book at \$50.09.

Limit Order: **Sell 3500** shares at **\$50.03**

Result: NYSE Arca matches 1000 shares at \$50.05 and 500 shares at \$50.04 against the Book. Routes 500 shares at \$50.04 to the away market, then matches the balance of 1500 shares at \$50.03 with the NYSE Arca Book.

## Order Type: **MKT (Market)**

**Availability:** Only during the core sessions

- Market orders are matched with the NYSE Arca Book if there is an order(s) at the inside.
- If NYSE Arca is not at the inside, the order is routed using NYSE Arca's SmartBook sweep logic.
- Any residual volume will not be routed to the next price level until all quotes at the current best bid offer are exhausted.

### Market Order Examples

Book Bids		Book Offers		Away Market Bids		Away Market Offers	
\$50.05	1000	\$50.10	300	\$50.04	500	\$50.09	700
\$50.04	500	\$50.12	2000	\$50.03	100	\$50.10	500
\$50.03	1500	\$50.15	1000	\$50.00	1000	\$50.15	3000

Market Order: **Buy 500** shares

Result: NYSE Arca routes order to the away market with the best of \$50.09.

Market Order: **Sell 2000** shares

Result: NYSE Arca matches 1000 shares at \$50.05 and 500 shares at \$50.04 with the NYSE Arca Book and routes 500 shares to the away market with the next best price of \$50.04.

### **Order Type: Stop-Lmt (Stop Limit)**

**Availability:** only during the core sessions

A stop limit order to buy becomes a limit order when a transaction in the security occurs at or above the stop price; a stop limit order to sell becomes a limit order when a transaction in the security occurs at or below the stop price

#### **Stop Limit Order Example**

1. Current NBBO- \$19.85 - \$20.05
2. Stop Limit Order to Buy 1000 shares with a stop price of \$20.07 and a limit price of 20.07
3. Stock prints at \$20.07
4. Stop limit order is elected. Limit order for 1000 shares at \$20.07 is activated on NYSE Arca

### **Order Type: Stop-Mkt (Stop Market)**

**Availability:** Only during the core sessions

A stop market order to buy becomes a market order when a transaction in the security occurs at or above the stop price; a stop market order to sell becomes a market order when a transaction in the security occurs at or below the stop price. The transaction must occur between at or between the bid and offer for the order to be triggered.

#### **Stop Order Example**

1. Current NBBO- \$19.85 - \$20.05
2. Stop Order to Buy 1000 shares with a stop price of \$20.07
3. Stock prints at \$20.08
4. Stop order is elected. Market order for 1000 shares is activated on NYSE Arca

### **Order Type: Trailing-Stop (Trailing Stop)**

**Availability:** Only during the core sessions

Will set your stop order the specified amount above or below the last print. The stop will adjust based on prints that occur between the NBBO. Order becomes a market order when stop is triggered (see MKT order).

### **Order Type: Disc-Lmt (Discretionary Limit)**

**Availability:** All sessions (core and after hours)

- Order is displayed at your specified price not your discretionary price.
- When a bid or offer appears at or above your share quantity minimum your order will be matched in ARCA or routed to Nasdaq Market Participant at their quoted price using SmartBook logic.
- User defines Limit Price, Discretionary Price, and a Discretionary Limit quantity.
- The Discretionary Limit Order is a means to only go to away markets and Book orders at a discretionary price if their size satisfies or exceeds the size requirement on a quote per quote basis.

- Discretionary Limit orders can be used in conjunction with Reserve Orders

### Discretionary Order Example

National Best Bid is on NYSE Arca at \$50.05 / Best Offer is \$50.09

Book Bids			
Price	Discretionary	Show Size	Reserve
\$50.05	\$50.10	100	5000

Limit Order to Sell **1000** shares at **\$50.07**

Result: Order is matched with the NYSE Arca Book at \$50.07.

### Order Type: **Peg-Mkt (Pegged Market Orders)**

**Availability:** only during the core sessions  
**Listed Securities Only**

Pegged Orders are Limit Orders that move up or down depending on the change in the current NBBO Bid or Offer. These are called Tracking Orders.

Peg market orders positions your order to the opposite side of the primary market NBBO (buy order will set at the current offer price, sell order set at bid price).

### Pegged Market Example

National Best Bid is on NYSE Arca at \$50.05 / Best Offer is \$50.09

Book Bids		Book Offers		Away Market Bids		Away Market Offers	
-	-	Tracking*	1000	-	-	-	-
\$50.05	1000	\$50.10	300	\$50.04	500	\$50.09	700
\$50.04	500	\$50.12	2000	\$50.03	100	\$50.10	500
\$50.03	1500	\$50.15	1000	\$50.00	1000	\$50.15	3000

Market order to Buy **500** shares.

Result: Order is matched with the NYSE Arca Tracking Order at \$50.09.

\*Note that Tracking Orders are not displayed in the NYSE Arca Book and are listed here for explanatory reasons only.

### Order Type: **Peg-Best (Pegged Best Orders)**

**Availability:** Only during the core sessions  
**Listed Securities Only**

Pegged Orders are Limit Orders that move up or down depending on the change in the current NBBO Bid or Offer. These are called Tracking Orders.

Peg best orders positions your order to the same side of the primary market NBBO (buy orders set at bid price, sell orders set at offer price).

## Pegged Best Example

National Best Bid is on NYSE Arca at \$50.05 / Best Offer is \$50.09

Book Bids		Book Offers		Away Market Bids		Away Market Offers	
-	-	Tracking*	1000	-	-	-	-
\$50.05	1000	\$50.10	300	\$50.04	500	\$50.09	700
\$50.04	500	\$50.12	2000	\$50.03	100	\$50.10	500
\$50.03	1500	\$50.15	1000	\$50.00	1000	\$50.15	3000

Pegged Best order to Buy **500** shares.

Result: Order is posted at \$50.05. If the Bid price of the NBBO moves up to 50.06 then your order will be automatically adjust up to \$50.06.

\*Note that Tracking Orders are not displayed in the NYSE Arca Book and are listed here for explanatory reasons only.

## Order Type: Reserve Orders

- User defines the displayed quantity while the balance of the reserve remains hidden.
- Displayed quantity is automatically replenished from the reserve.
- Market Participants are preferenced for the quoted size when hitting the bid or taking the offer.
- Orders preferenced to ARCA, at sizes greater than the displayed size, will be matched against the entire reserve quantity.
- A Reserve Order has a limit price, a displayed quantity, and a reserve size that is not displayed on the NYSE Arca Book, but is electronically accessible

## Reserve Order Example

National Best Bid is on NYSE Arca at \$50.05

Price	NYSE Arca Book Bids	
	Show Amt	Reserve
\$50.05	100	5000
\$50.04	500	10000
\$50.03	1500	0

Limit Order to Sell **5000** shares at **\$50.05**

Result: Entire order is matched with the NYSE Arca Book at \$50.05.

## NYSE Arca – Expiration

**Order: DAY** - order is canceled at market close of the regular market session

**Order: DAY+** - order is canceled at the end of the after markets session

**Order: NOW**

- Now orders will be matched with the NYSE Arca Book or routed for execution to a select group of Market Participants at their quoted price.
- Any residual volume will automatically be canceled if not executed at the quoted price or better.

- Now Participants include only those participants that have a direct connection to Archipelago for receiving orders, automatically execute those orders and can accept IOC orders.
- NOW orders may trade THROUGH better prices since they are routed only to electronic contra parties.

**Now Order Example:**

Market	Bid	Size
NYSE Arca	50.00	1000
NSDQ	50.00	1000
AMEX	50.00	1000

**NOW Order to Sell 3000 shares is entered.**

Result: Order is instantly matched with the NYSE Arca Book at \$50 and 1000 shares are routed to NSDQ at \$50. The balance of the order is canceled since the AMEX is not a NOW Participant offering immediate execution.

**Order: GTC (Good to Cancel)** - order remains open until cancelled on the date you specify on the pop-up calendar when the order is placed.

**NYSE Arca Short Sales**

**Nasdaq Short Sales**

- Short sales are not subject to the bid test when order is matched on NYSE Arca Book.
- Trades routed to other markets will abide by other market's short sale rules.
- Limit Orders will be matched down to the limit price, which can potentially be outside the National Best Bid if routing to an away market would not satisfy that market's short sale rule.
- In a down bid market when the NBB is from an away market with a bid test, Market Orders will be posted to the NYSE Arca Book at the NBB until they are eligible to trade at the NBB or better.

**Listed Short Sales**

- For listed stocks, on a down tick from the last sale, a short sell is offered at \$0.01 above the last sale.
- On an up tick, normal trading occurs.

# NASDAQ Single Book

## **Route: ISLD – Listed, OTC, OTCBB**

**NASDAQ Market Center** – Formally INET ECN (Island+Instinet), BRUT ECN and NASDAQ Supermontage

**History:** In 2002 the Instinet ECN and Island ECN merged to create the INET ECN. In 2003 the NASDAQ launch their Supermontage system to replace the SOES, SuperSoes and SelectNet order systems. The NASDAQ purchased the BRUT ECN in 2005 and the INET ECN in 2006.

In March 2007 the NASDAQ merged the INET ECN, BRUT ECN and Supermontage into a single platform for all securities called the NASDAQ Market Center.

The route ISLD on the platform routes orders to the NASDAQ Market Center book. Orders sent to the NASDAQ Market Center book will execute against any matching order from another NASDAQ Market Center book participant. Market orders (MKT) not immediately matched on the NASDAQ Market Center book are routed to other pools of liquidity (ECNs, Market Makers, etc) for immediate execution.

The Level 2 quote for NASDAQ Market Center is displayed as both NSDQ and Island for NASDAQ and OTCBB stocks and Island for Listed Stocks.

### **About**

**Size:** NASDAQ Market Center handles over half of all Nasdaq (OTC) orders NASDAQ Market Center is still not as liquid for listed securities and is responsible for only a small percentage of daily orders on the NYSE.

**Minimum Price Increment:** 0.01 for all securities with a closing price of \$1.00 and above. 0.001 for securities with a closing price below \$1.00.

<b>Session Hours</b>
NASDAQ Market Center currently accepts and executes orders from 7:00 AM to 8:00 PM (ET). <b>Core Trading Session: 9:30 a.m. to 4:00 p.m. ET</b>

## Market Center Book Routing Table

	Limit	Market	Stop-Limit	LMT-Book	LMT-INV	Peg-MKT	Peg Best
Day	x	x	x	x	x	x	x
Day Plus	x			x	x	x	x
GTC	x		x	x	x	x	x
IOC	x			x	x		
FOK	x			x	x		

### Order Type: **LMT (Limit)**

**Availability:** All sessions (core and after hours)

Order is posted to the NASDAQ Market Center book at the specified price. NASDAQ Market Center's top orders are represented in the NBBO as "NSDQ" and Island for NASDAQ and OTCBB stocks and Island for Listed stocks.

### Order Type: **MKT (Market)**

**Availability:** Only during core session

- Market orders are matched with the NASDAQ Market Center Book if there is an order(s) at the inside.
- If Market Center Book is not at the inside, the order is routed using Market Center Book's SmartBook sweep logic.
- Any residual volume will not be routed to the next price level until all quotes at the current best bid offer are exhausted.

### Order Type: **Stop-LMT (Stop Limit)**

**Availability:** Only during core session

A stop limit order to buy becomes a limit order when a transaction in the security occurs at or above the stop price; a stop limit order to sell becomes a limit order when a transaction in the security occurs at or below the stop price (See LMT order). The transaction must occur between at or between the bid and offer for the order to be triggered.

### Order Type: **LMT-INV (Limit Invisible)**

**Availability:** All sessions (core and after hours)

Invisible orders are not displayed on the NASDAQ Market Center book, they are not disseminated on the NASDAQ Market Center data feeds and they are not included in the Level II quote

### Order Type: **PEG-MKT (Peg Market)**

**Availability:** All sessions (core and after hours)

Peg market orders positions your order to the opposite side of the primary market NBBO (buy order will set at the current offer price, sell order set at bid price). The orders will then move up and down as the bid/offer moves. The order will only move up or down to the limit price you set. Order is displayed on NASDAQ level II as NSDQ and Island for Level II listed.

## Order Type: **PEG-BEST (Peg Best)**

**Availability:** All sessions (core and after hours)

Peg best orders position your order to the same side of the primary market NBBO (buy orders set at bid price, sell orders set at offer price). The orders will then move up and down as the bid/offer moves. The order will only move up or down to the limit price you set. Order is displayed on NASDAQ level II as NSDQ and as Island for Level II listed.

## Order Type: **Reserve Orders**

**Availability:** All sessions (core and after hours)

With Reserve order the user defines the displayed quantity while the balance of the reserve remains hidden. Displayed quantity is automatically replenished from the reserve.

## NASDAQ Market Center Expiration

**Order: DAY** - order is canceled at market close of the regular market session

**Order: DAY+** - order is canceled at the end of the after markets session

**Order: IOC (Immediate or Cancel)** – will fill all or part of your order. Order will cancel immediately – even with a partial fill.

**Order: GTC (Good to Cancel)** - order remains open until cancelled on the date you specify on the pop-up calendar when the order is placed.

**Order: FOK (Fill or Kill)** – will fill all or none of your order – no partials. If not filled, will cancel immediately.

## Route: **NYSE / AMEX – Listed Only**

**About:** NYSE orders are sent directly to the NYSE Specialist on the New York Trading floor through DOT. AMEX orders are sent directly to the AMEX Specialist on the American Stock Exchange Trading floor through DOT.

**Minimum Price Increment: 0.01**

### NYSE Routing Table

	Limit	Market	Stop-Limit	Stop-Market	Trail-Stop	MOO	MOC	LOO	LOC	Ndirect+	Xpress
Day	x	x	x	x	x	x	x	x	x	x	x
GTC	x		x	x	x						

### AMEX Routing Table

	Limit	Market	Stop-Limit	Stop-Market	Trail-Stop	MOO	MOC	LOO	LOC	Ndirect+
Day	x	x	x	x	x	x	x	x	x	x
GTC	x		x	x	x					

**Order Type: LMT (Limit)**

Order is sent to the floor specialist. Order may not show on book.

**Order Type: MKT (Limit)**

Order is sent to the specialist. Order does not show on book.

**Order Type: Stop-Lmt (Stop Limit)**

A stop limit order to buy becomes a limit order when a transaction in the security occurs at or above the stop price; a stop limit order to sell becomes a limit order when a transaction in the security occurs at or below the stop price (see LMT order). The transaction must occur between at or between the bid and offer for the order to be triggered.

**Order Type: Stop-Mkt (Stop Market Limit)**

A stop market order to buy becomes a market order when a transaction in the security occurs at or above the stop price; a stop market order to sell becomes a market order when a transaction in the security occurs at or below the stop price (see MKT order). The transaction must occur between at or between the bid and offer for the order to be triggered.

**Order Type: Trailing-Stop (Trailing Stop)**

Will set your stop order the specified amount above or below the last print. The stop will adjust based on prints that occur between the bid and ask.

**Order Type: MOO (Market on Open)**

Will only execute at market open (see MKT order).

**Order Type: MOC (Market on Close)**

Will execute at market close (see MKT order).

**Order Type: LOO (Limit on Open)**

A limit order will be placed at open. If not filled at open the order will be cancelled.

**Order Type: LOC (Limit on Close)**

A limit order will be placed at close.

**Order Type: Ndirect+**

Provides automatic and immediate executions of limit orders up to 1,099 shares at the published NYSE quote. NYSE Direct+ will be available on the first quote of the day, when the bid and/or offer is greater than 100 shares. It is not available during a trading halt or a non-firm quote. Note: Specialist can turn off the Ndirect+ system in fast moving market and the order will become a regular LMT order.

## Route: MLX – Listed Only

**About:** MLX orders are sent directly to the NYSE/AMEX Specialist on the trading floor through DOT. NYSE/AMEX and MLX are essentially identical in that they both are routed to the floor specialist. However ISI/MLX uses different server technology for processing orders compared to NYSE/AMEX. Generally the NYSE/AMEX routing technology is superior to MLX although in most cases differences are fairly negligible.

**Minimum Price Increment: 0.01**

### MLX Routing Table

	Limit	Market	Stop-Limit	Stop-Market	Trail-Stop	MOO	MOC	Ndirect+
Day	x	x	x	x	x	x	x	x
GTC	x		x	x	x			

### Order Type: LMT (Limit)

Order is sent to the floor specialist. Order may not show on book.

### Order Type: MKT (Limit)

Order is sent to the specialist. Order does not show on book.

### Order Type: Stop-Lmt (Stop Limit)

A stop limit order to buy becomes a limit order when a transaction in the security occurs at or above the stop price; a stop limit order to sell becomes a limit order when a transaction in the security occurs at or below the stop price (see LMT order). The transaction must occur between at or between the bid and offer for the order to be triggered.

### Order Type: Stop-Mkt (Stop Market Limit)

A stop market order to buy becomes a market order when a transaction in the security occurs at or above the stop price; a stop market order to sell becomes a market order when a transaction in the security occurs at or below the stop price (see MKT order). The transaction must occur between at or between the bid and offer for the order to be triggered.

### Order Type: Trailing-Stop (Trailing Stop)

Will set your stop order the specified amount above or below the last print. The stop will adjust based on prints that occur between the bid and ask.

### Order Type: MOO (Market on Open)

Will only execute at market open (see MKT order).

### Order Type: MOC (Market on Close)

Will execute at market close (see MKT order).

### Order Type: Ndirect+

Provides automatic and immediate executions of limit orders up to 1,099 shares at the published NYSE quote. NYSE Direct+ will be available on the first quote of the day, when the bid and/or offer is greater than

100 shares. It is not available during a trading halt or a non-firm quote. Note: Specialist can turn off the Ndirect+ system in fast moving market and the order will become a regular LMT order.

## **Route: EDGE - Listed, OTC** **Direct Edge ECN**

**About:** Knight Capital Group owns and operates the Direct Edge ECN. EDGE is currently one of the largest ECNs for OTC securities.

**Size:** EDGE currently handles approximately 5-10% of Nasdaq (OTC) orders. EDGE is still not as liquid for listed securities and is responsible for only a few percent of daily orders on the NYSE.

### **Order Representation**

EDGE's top orders are represented in the NASDAQ National Best Bid/Offer display as "EDGX" on the Level II screen.

**Minimum Price Increment: 0.01**

<b>Session Hours</b>
EDGE currently accept and executes orders from 8:00 AM to 5:00 PM (ET).
<b>Core Trading Session: 9:30 a.m. to 4:00 p.m. ET</b>

### **EDGE Routing Table**

	<b>Limit</b>	<b>Market</b>
<b>Day</b>	x	x
<b>Day Plus</b>	x	
<b>GTC</b>	x	
<b>IOC</b>	x	

### **Order Type: LMT (Limit)**

**Availability:** All sessions (core and after hours) – OTC and Listed

Order is posted to the EDGE book at the specified price.

### **Order Type: MKT (Market)**

**Availability:** Only core session – OTC and Listed

For immediate, aggressive executions. EDGE Market orders are not displayed in the EDGE book. The order only executes at the inside price (whether in the market or in the E-DGE book), working its way through the inside. Orders are sent out at each price increment. Example: Enter a buy offer for 3000 XYZ filled at an average price of 72 (order filled at 71, 72, 73).

### **EDGE Expiration**

**Order: DAY** - order is canceled at market close of the regular market session

**Order: DAY+** - order is canceled at the end of the after markets session

**Order: GTC (Good to Cancel)** - order remains open until cancelled on the date you specify on the pop-up calendar when the order is placed.

**Route: BATS – OTC Only**  
BATS ECN

**Order Type: LMT (Limit)**

**Availability:** All sessions (core and after hours)

Order is posted to the book at the specified price.

**Order Type: Stop-LMT (Stop Limit)**

**Availability:** Only during core session

a stop limit order to buy becomes a limit order when a transaction in the security occurs at or above the stop price; a stop limit order to sell becomes a limit order when a transaction in the security occurs at or below the stop price. Order displayed on NASDAQ level II as BATS. The transaction must occur between at or between the bid and offer for the order to be triggered.

**Order Type: MKT (Market)**

**Availability:** Only core session

BATS Market orders are not displayed in the BATS book. The order only executes at the inside price, working its way through the inside. Orders are sent out at each price increment. Example: Enter a buy offer for 3000 XYZ filled at an average price of 72 (order filled at 71, 72, 73).

## Route: CITX – OTC, LISTED, OTCBB

**About:** CITX currently accounts for a significant percentage of all NASDAQ and Listed volumes. CITX uses fully automated price-prediction systems to smart-route orders to various ECNs, market markets and specialists based on order criteria, price and destination.

**Share Size Limits:** unlimited shares

**Minimum Price Increment:** 0.01 or OTC and Listed

**Availability:** Only during core session

### CITX Routing Table

	Limit	Market	Stop-LMT	Stop-MKT	Trail-Stop
DAY	x	x	x	x	x
GTC	x		x	x	x

## Route: ITS, IBO/IBOS and MLO – Options Only

The three option routes on the platform, ITS, IBO and MLO, provided direct access to all 7 US option exchanges. For routing standard option trades it is recommended that the IBO route is used as the primary / default route for routing options because of their direct connection and smart order routing capabilities

Options Trades

The Order Expiration (TIF) options are Day, GTC, IOC, and FOK

LMT An order to buy or sell a security at or better than a specified price

MKT An order to be executed at the best available market price

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