



## HIGHLIGHT OF MARCH 1, 2019 FEE CHANGES (Changes Highlighted Below)

### 1) Transaction Rebates/Fees

#### a) Exchange Rebates/Fees – Add/Remove Tiered Rebates/Fees

			Per Contract Rebates/Fees for Penny Classes				Per Contract Rebates/Fees for Non-Penny Classes	
Origin	Tier	Volume Criteria	Maker	Taker*	SPY Taker	QQQ, IWM, VXX Taker	Maker	Taker
Priority Customer	1	0.00% - 0.10%	(\$0.25)	\$0.48	\$0.43	\$0.44 \$0.47	(\$0.85)	\$0.84
	2	Above 0.10% - 0.35%	(\$0.40)	\$0.48 \$0.46	\$0.43	\$0.44 \$0.46	(\$0.95)	\$0.84
	3	Above 0.35% - 0.50%	(\$0.45)	\$0.46 \$0.44	\$0.42	\$0.44	(\$1.00)	\$0.84
	4	Above 0.50% - 0.75%	(\$0.51) (\$0.52)	\$0.45 \$0.44	\$0.41	\$0.43	(\$1.03)	\$0.84
	5	Above 0.75% - 1.25%	(\$0.52) (\$0.53)	\$0.44	\$0.40	\$0.42	(\$1.04)	\$0.84
	6	Above 1.25%	(\$0.52) (\$0.53)	\$0.43	\$0.38	\$0.40	(\$1.04)	\$0.84

\* For all Penny Classes other than SPY, QQQ, and IWM, and VXX.

			Per Contract Rebates/Fees for Penny Classes				Per Contract Rebates/Fees for Non-Penny Classes	
Origin	Tier	Volume Criteria	Maker (Contra Origins ex Priority Customer)	Maker (Contra Priority Customer Origin)	Taker (Contra Origins ex Priority Customer)	Taker (Contra Priority Customer Origin)	Maker**	Taker**
All MIAX PEARL Market Makers	1	0.00% - 0.15%	(\$0.25)	(\$0.23)	\$0.50	\$0.50	(\$0.30)	\$1.10
	2	Above 0.15% - 0.40% or Above 0.45% in SPY/QQQ/IWM	(\$0.40)	(\$0.38)	\$0.50	\$0.50	(\$0.30)	\$1.10
	3	Above 0.40% - 0.65%	(\$0.40)	(\$0.38)	\$0.49 \$0.48	\$0.50	(\$0.60)	\$1.09
	4	Above 0.65% - 1.00% or Above 2.25% in SPY	(\$0.47)	(\$0.45)	\$0.48 \$0.47	\$0.49	(\$0.65)	\$1.08
	5	Above 1.00% - 1.40%	(\$0.48)	(\$0.46)	\$0.46 \$0.45	\$0.47	(\$0.70)	\$1.07
	6	Above 1.40%	(\$0.48)	(\$0.47)	\$0.45 \$0.44	\$0.46	(\$0.85)	\$1.06

			Per Contract Rebates/Fees for Penny Classes				Per Contract Rebates/Fees for Non-Penny Classes	
Origin	Tier	Volume Criteria	Maker <sup>^</sup> (Contra Origins ex Priority Customer)	Maker <sup>^</sup> (Contra Priority Customer Origin)	Taker (Contra Origins ex Priority Customer)	Taker (Contra Priority Customer Origin)	Maker <sup>**^</sup>	Taker <sup>**</sup>
Non-Priority Customer, Firm, BD, and Non-MIAX PEARL Market Makers	1	0.00% – 0.15%	(\$0.25)	(\$0.23)	\$0.50	\$0.50	(\$0.30)	\$1.10
	2	Above 0.15% – 0.40%	(\$0.40)	(\$0.38)	\$0.50	\$0.50	(\$0.30)	\$1.10
	3	Above 0.40% – 0.65%	(\$0.40)	(\$0.38)	\$0.49 <del>\$0.48</del>	\$0.50	(\$0.60)	\$1.10
	4	Above 0.65% – 1.00%	(\$0.47)	(\$0.45)	\$0.49 <del>\$0.48</del>	\$0.50	(\$0.65)	\$1.09
	5	Above 1.00% – 1.40%	(\$0.48)	(\$0.46)	\$0.48	\$0.50	(\$0.70)	\$1.08
	6	Above 1.40%	(\$0.48)	(\$0.46)	\$0.48	\$0.50	(\$0.85)	\$1.07

\*\* Members may qualify for the Maker Rebate and the Taker Fee associated with the highest Tier for transactions in Non-Penny classes if the Member executes more than 0.30% volume in Non-Penny classes, not including Excluded Contracts, as compared to the TCV in all MIAX PEARL listed option classes. For purposes of qualifying for such rates, the Exchange will aggregate the volume transacted by Members and their Affiliates in the following Origin types in Non-Penny classes: MIAX PEARL Market Makers, and Non-Priority Customer, Firm, BD, and Non-MIAX PEARL Market Makers.

<sup>^</sup> Members may qualify for Maker Rebates equal to the greater of: (A) (\$0.40) for Penny Classes and (\$0.65) for Non-Penny Classes, or (B) the amount set forth in the applicable Tier reached by the Member in the relevant Origin, if the Member and their Affiliates execute at least 1.50% volume in the relevant month, in Priority Customer Origin type, in all options classes, not including Excluded Contracts, as compared to the TCV in all MIAX PEARL listed option classes.

Except as otherwise set forth herein, the Volume Criteria is calculated based on the total monthly volume executed by the Member in all options classes on MIAX PEARL in the relevant Origin type, not including Excluded Contracts, (as the numerator) expressed as a percentage of (divided by) TCV (as the denominator).

In Tier 2 for MIAX PEARL Market Makers, the alternative Volume Criteria (above 0.45% in SPY/QQQ/IWM) is calculated based on the total monthly volume executed by the Market Maker collectively in SPY, QQQ, and IWM options on MIAX PEARL in the relevant Origin type, not including Excluded Contracts, (as the numerator) expressed as a percentage of (divided by) SPY/QQQ/IWM TCV (as the denominator). In Tier 4 for MIAX PEARL Market Makers, the alternative Volume Criteria (above 2.25% in SPY) is calculated based on the total monthly volume executed by the Market Maker solely in SPY options on MIAX PEARL in the relevant Origin type, not including Excluded Contracts, (as the numerator) expressed as a percentage of (divided by) SPY TCV (as the denominator). The per contract transaction rebates and fees shall be applied retroactively to all eligible volume once the threshold has been reached by Member. The Exchange aggregates the volume of Members and their Affiliates in the Add/Remove Tiered Fees. The per contract transaction rebates and fees shall be waived for transactions executed during the opening and for transactions that uncross the ABBO.

## b) Fees and Rebates for Customer Orders Routed to Another Options Exchange

MIAX PEARL will assess a Routing Fee to market participants on all orders routed to and executed on an away market as set forth in the table below.

Description	Fees
Routed, Priority Customer, Penny Pilot, to: NYSE American, BOX, Cboe, Cboe EDGX Options, Nasdaq MRX, <del>MIAX OPTIONS</del> MIAX Options, Nasdaq PHLX (except SPY), Nasdaq BX Options	\$0.15
Routed, Priority Customer, Penny Pilot, to: NYSE Arca Options, Cboe BZX Options, Cboe C2, Nasdaq GEMX, Nasdaq ISE, NOM, Nasdaq PHLX (SPY only), MIAX Emerald	\$0.65
Routed, Priority Customer, Non-Penny Pilot, to: NYSE American, BOX, Cboe, Cboe EDGX Options, Nasdaq ISE, Nasdaq MRX, <del>MIAX OPTIONS</del> MIAX Options, Nasdaq PHLX, Nasdaq BX Options	\$0.15
Routed, Priority Customer, Non-Penny Pilot, to: NYSE Arca Options, Cboe BZX Options, Cboe C2, Nasdaq GEMX, NOM, MIAX Emerald	\$1.00 <del>\$0.97</del>
Routed, Public Customer that is not a Priority Customer, Penny Pilot, to: NYSE American, NYSE Arca Options, Cboe BZX Options, BOX, Cboe, Cboe C2, Cboe EDGX Options, Nasdaq GEMX, Nasdaq ISE, Nasdaq MRX, MIAX Emerald, <del>MIAX OPTIONS</del> MIAX Options, NOM, Nasdaq PHLX, Nasdaq BX Options	\$0.65
Routed, Public Customer that is not a Priority Customer, Non-Penny Pilot, to: NYSE American, MIAX Options, Cboe, Nasdaq PHLX, Nasdaq ISE, Cboe EDGX Options	\$1.00 <del>\$0.65</del>
Routed, Public Customer that is not a Priority Customer, Non-Penny Pilot, to: <del>NYSE Arca Options, Cboe BZX Options, Cboe C2, NOM, BOX, Nasdaq GEMX,</del> Nasdaq MRX, Nasdaq BX Options, MIAX Emerald	\$1.15 <del>\$1.20</del>
Routed (Public Customer that is not a Priority Customer), Non-Penny Pilot, to: Cboe BZX Options, NYSE Arca Options, Nasdaq GEMX, <del>BOX, Cboe, Cboe EDGX Options, Nasdaq ISE, MIAX OPTIONS, NOM, Nasdaq PHLX</del>	\$1.25 <del>\$0.97</del>

## 5) System Connectivity Fees

### a) Monthly Member Network Connectivity Fee

Member Network Connectivity Per Month	Primary/Secondary Facility 1 Gigabit Per Connection	Disaster Recovery Facility 1 Gigabit Per Connection	Primary/Secondary Facility 10 Gigabit Per Connection	Disaster Recovery Facility 10 Gigabit Per Connection	Primary/Secondary Facility 10 Gigabit ULL Per Connection
Individual Firm	\$1,400.00 <del>\$1,100.00</del>	\$550.00 <del>\$500.00</del>	\$6,100.00 <del>\$5,500.00</del>	\$2,750.00 <del>\$2,500.00</del>	\$9,300.00 <del>\$8,500.00</del>

Monthly Member Network Connectivity fees for connectivity with the Primary/Secondary Facility will be assessed in any month the Member is credentialed to use any of the MIAX PEARL APIs or Market Data feeds in the production environment and will be pro-rated when a Member makes a change to the connectivity (by adding or deleting connections) with such pro-rated fees based on the number of trading days that the Member has been credentialed to utilize any of the MIAX PEARL APIs or Market Data feeds in the production

environment through such connection, divided by the total number of trading days in such month multiplied by the applicable monthly rate. Monthly Member Network Connectivity fees for connectivity with the Disaster Recovery Facility will be assessed in each month during which the Member has established connectivity with the Disaster Recovery Facility.

Members utilizing the MENI to connect to the trading platforms, market data systems, test systems, and disaster recovery facilities of the Exchange and MIAX Options via a single, shared connection will only be assessed one Monthly Member Network Connectivity Fee per connection, regardless of the trading platforms, market data systems, test systems, and disaster recovery facilities accessed via such connection.

### b) Monthly Non-Member Network Connectivity Fee

Non-Member Network Connectivity Per Month	Primary/Secondary Facility 1 Gigabit Per Connection	Disaster Recovery Facility 1 Gigabit Per Connection	Primary/Secondary Facility 10 Gigabit Per Connection	Disaster Recovery Facility 10 Gigabit Per Connection	Primary/Secondary Facility 10 Gigabit ULL Per Connection
Service Bureau/ Extranet Provider and other non-Members	\$1,400.00 <del>\$1,100.00</del>	\$550.00 <del>\$500.00</del>	\$6,100.00 <del>\$5,500.00</del>	\$2,750.00 <del>\$2,500.00</del>	\$9,300.00 <del>\$8,500.00</del>

Monthly Non-Member Network Connectivity fees for connectivity with the Primary/Secondary Facility will be assessed in each month the Non-Member has been credentialed to use any of the MIAX PEARL APIs or Market Data feeds via the network connection in the production environment and will be pro-rated when a Non-Member makes a change to the connectivity (by adding or deleting connections) with such pro-rated fees based on the number of trading days that the Non-Member has been credentialed to utilize any one of the two MIAX Exchanges' APIs or Market Data feeds in the production environment through such connection, divided by the total number of trading days in such month multiplied by the applicable monthly rate. Monthly Non-Member Network Connectivity fees for connectivity with the Disaster Recovery Facility will be assessed in each month during which the Non-Member has established connectivity with the Disaster Recovery Facility.

Non-Members utilizing the MENI to connect to the trading platforms, market data systems, test systems, and disaster recovery facilities of the Exchange and MIAX Options via a single, shared connection will only be assessed one Monthly Non-Member Network Connectivity Fee per connection, regardless of the trading platforms, market data systems, test systems, and disaster recovery facilities accessed via such connection.