



SUPPLEMENT EXCHANGE TIER REPORT 2022 Q4

Product	Month	Exchange	Tier Name	SR Rate	Tier Level	Note
Equity	N/A	N/A	N/A	N/A	N/A	There were no equity orders in scope for the review period.
Option	2022-10	AMEX	Customer	-	Base	
Option	2022-10	ARCA	Cust/Procust Penny Maker	-0.43	Tier 2	
Option	2022-10	ARCA	Cust/Procust NonPenny Maker	-0.75	Base	
Option	2022-10	ARCA	Firm/BD Non-Penny Maker	-0.1	Base	
Option	2022-10	ARCA	Cust Incentive Program	-	Base	
Option	2022-10	ARCA	NonCust NonPenny Maker Credit	-	Base	
Option	2022-10	ARCA	ProCust/NonCust Penny Taker Discount	-	Base	
Option	2022-10	ARCA	ProCust/NonCust NonPenny Taker Discour	-	Base	
Option	2022-10	BATS	Cust Penny Maker	-0.25	Base	
Option	2022-10	BATS	ProCust Penny Maker	-0.25	Base	
Option	2022-10	BATS	Firm, BD, JBO Penny Maker	-0.25	Base	
Option	2022-10	BATS	MM Penny Maker	-0.29	Base	
Option	2022-10	BATS	AwayMM Penny Maker	-0.26	Base	
Option	2022-10	BATS	NonCust Penny Taker	0.5	Base	
Option	2022-10	BATS	Cust NonPenny Maker	-0.85	Base	
Option	2022-10	BATS	Firm, BD, JBO NonPenny Maker	-0.3	Base	
Option	2022-10	BATS	MM NonPenny Maker	-0.4	Base	
Option	2022-10	BATS	AwayMM NonPenny Maker	-0.3	Base	
Option	2022-10	BATS	NonCust NonPenny Taker	1.1	Base	
Option	2022-10	BATS	NBBO Credit (MM and Away MM only)	-		
Option	2022-10	EDGX	Cust	-0.01	Base	
Option	2022-10	EDGX	MM	0.2	Base	
Option	2022-10	EDGX	Firm Penny	0.45	Base	
Option	2022-10	EDGX	Complex Cust (Contra Non-Cust) Penny	-0.39	Base	
Option	2022-10	EDGX	Complex Cust (Contra Non-Cust) NonPenn	-0.75	Base	
Option	2022-10	EDGX	SUM Reponder Bonus	-0.05		
Option	2022-10	Gemini	MM Penny Make	-0.28	Tier 1 (Base)	
Option	2022-10	Gemini	Cust Penny Make	-0.25	Tier 1 (Base)	
Option	2022-10	Gemini	Non-Cust Penny Take	0.5	Tier 1 (Base)	
Option	2022-10	Gemini	Cust Penny Take	0.48	Tier 1 (Base)	
Option	2022-10	Gemini	MM Non-Penny Make	-0.4	Tier 1 (Base)	
Option	2022-10	Gemini	Cust Non-Penny Make	-0.75	Tier 1 (Base)	
Option	2022-10	Gemini	Non-Cust Non-Penny Take	0.99	Tier 1 (Base)	
Option	2022-10	Gemini	Cust Non-Penny Take	0.85	Tier 1 (Base)	
Option	2022-10	Mercury	MM Penny Make	0.2	Base	
Option	2022-10	Mercury	MM NonPenny Make	0.2	Base	
Option	2022-10	Miax Pearl	MM/Professional Maker Step-Up Rebate	-0.3	Base	
Option	2022-10	Miax Pearl	Cust Penny Make	-0.25	Base	
Option	2022-10	Miax Pearl	Cust Penny Take	0.48	Base	
Option	2022-10	Miax Pearl	Cust Non-Penny Make	-0.85	Base	
Option	2022-10	Miax Pearl	Cust Non-Penny Take	0.84	Base	
Option	2022-10	Miax Pearl	MM Penny Maker Contra Non-Cust	-0.25	Base	
Option	2022-10	Miax Pearl	MM Penny Maker Contra Cust	-0.23	Base	
Option	2022-10	Miax Pearl	MM Penny Taker Contra Non-Cust	0.5	Base	
Option	2022-10	Miax Pearl	MM Penny Taker Contra Cust	0.5	Base	
Option	2022-10	Miax Pearl	MM Non-Penny Make	-0.3	Base	
Option	2022-10	Miax Pearl	MM Non-Penny Take	1.1	Base	
Option	2022-10	Miax Pearl	Non-Cust Penny Maker Contra Non-Cust	-0.25	Base	
Option	2022-10	Miax Pearl	Non-Cust Penny Maker Contra Cust	-0.23	Base	
Option	2022-10	Miax Pearl	Non-Cust Penny Taker Contra Non-Cust	0.5	Base	
Option	2022-10	Miax Pearl	Non-Cust Non-Penny Make	-0.3	Base	
Option	2022-10	Miax Pearl	Non-Cust Non-Penny Take	1.1	Base	
Option	2022-10	Miax Emer	Cust Penny Maker Simple	-0.48	Base	
Option	2022-10	Miax Emer	Cust Penny Taker Simple	0.47	Base	
Option	2022-10	Miax Emer	Cust Penny Complex	-0.25	Base	
Option	2022-10	Miax Emer	Non-Cust Non-MM Penny Taker Simple	0.5	Base	
Option	2022-10	Miax Emer	MM (incl. Away) Penny Taker Simple	0.5	Base	

Option	2022-10	Miax Emer MM Penny Maker Simple	-0.35	Base
Option	2022-10	Miax Emer Cust Non-Penny Maker Simple	-0.85	Base
Option	2022-10	Miax Emer Cust Non-Penny Taker Simple	0.85	Base
Option	2022-10	Miax Emer Cust Non-Penny Complex	-0.4	Base
Option	2022-10	Miax Emer Non-Cust Non-Penny Taker Simple	0.99	Base
Option	2022-10	Miax Emer MM Non-Penny Maker Simple	-0.45	Base
Option	2022-10	Miax Emer MM Non-Penny Taker Complex	0.88	Base
Option	2022-10	BOX MM Multiply Listed	-	
Option	2022-10	BOX Customer Multiply Listed	-	
Option	2022-10	BX Cust Penny Non-Select Maker contra Non-C	-	Base
Option	2022-10	BX Cust Penny Non-Select Taker contra Non-C	-	Base
Option	2022-10	BX MM Penny Non-Select Taker contra Cust	0.39	Base
Option	2022-10	BX Cust Select Maker contra Non-Cust	-	Base
Option	2022-10	BX MM Select Maker contra Cust	0.44	Base
Option	2022-10	BX Cust Select Taker contra Non-Cust	-	Base
Option	2022-10	BX MM Select Taker contra Cust	0.42	Base
Option	2022-10	BX MM Select Taker contra Non-Cust	0.14	Base
Option	2022-10	CBOE Volume Incentive Program	-	Base
Option	2022-10	ISE MM Plus	-	Base
Option	2022-10	ISE Customer Complex Select Symbols	-0.25	Base
Option	2022-10	ISE Customer Complex Non-Select Symbols	-0.4	Base
Option	2022-10	MIAX Penny	0.47	Base
Option	2022-10	MIAX Non-Penny	0.75	Base
Option	2022-10	MIAX Professional rebate Program		
Option	2022-10	MIAX Simple	-	
Option	2022-10	MIAX Complex	-	
Option	2022-10	MIAX Priority Customer rebate Program	-	
Option	2022-10	Nasdaq Cust Penny Maker	-0.2	Tier 3
Option	2022-10	Nasdaq Procust Penny Maker	-0.2	Tier 3
Option	2022-10	Nasdaq Cust/Procust NonPenny Maker	-0.8	Tier 2
Option	2022-10	Nasdaq MM Penny Maker	-0.2	Base
Option	2022-10	AMEX Customer	-	Base
Option	2022-11	ARCA Cust/Procust Penny Maker	-0.43	Tier 2
Option	2022-11	ARCA Cust/Procust NonPenny Maker	-0.75	Base
Option	2022-11	ARCA Firm/BD Non-Penny Maker	-0.1	Base
Option	2022-11	ARCA Cust Incentive Program	-	Base
Option	2022-11	ARCA NonCust NonPenny Maker Credit	-	Base
Option	2022-11	ARCA ProCust/NonCust Penny Taker Discount	-	Base
Option	2022-11	ARCA ProCust/NonCust NonPenny Taker Discour	-	Base
Option	2022-11	BATS Cust Penny Maker	-0.25	Base
Option	2022-11	BATS ProCust Penny Maker	-0.25	Base
Option	2022-11	BATS Firm, BD, JBO Penny Maker	-0.25	Base
Option	2022-11	BATS MM Penny Maker	-0.29	Base
Option	2022-11	BATS AwayMM Penny Maker	-0.26	Base
Option	2022-11	BATS NonCust Penny Taker	0.5	Base
Option	2022-11	BATS Cust NonPenny Maker	-0.85	Base
Option	2022-11	BATS Firm, BD, JBO NonPenny Maker	-0.3	Base
Option	2022-11	BATS MM NonPenny Maker	-0.4	Base
Option	2022-11	BATS AwayMM NonPenny Maker	-0.3	Base
Option	2022-11	BATS NonCust NonPenny Taker	1.1	Base
Option	2022-11	BATS NBBO Credit (MM and Away MM only)	-	
Option	2022-11	EDGX Cust	-0.01	Base
Option	2022-11	EDGX MM	0.17	Tier 1
Option	2022-11	EDGX Firm Penny	0.45	Base
Option	2022-11	EDGX Complex Cust (Contra Non-Cust) Penny	-0.4	Tier 1
Option	2022-11	EDGX Complex Cust (Contra Non-Cust) NonPenn	-0.75	Base
Option	2022-11	EDGX SUM Reponder Bonus	-0.05	
Option	2022-11	Gemini MM Penny Make	-0.28	Tier 1 (Base)
Option	2022-11	Gemini Cust Penny Make	-0.25	Tier 1 (Base)
Option	2022-11	Gemini Non-Cust Penny Take	0.5	Tier 1 (Base)
Option	2022-11	Gemini Cust Penny Take	0.48	Tier 1 (Base)
Option	2022-11	Gemini MM Non-Penny Make	-0.4	Tier 1 (Base)
Option	2022-11	Gemini Cust Non-Penny Make	-0.75	Tier 1 (Base)
Option	2022-11	Gemini Non-Cust Non-Penny Take	0.99	Tier 1 (Base)
Option	2022-11	Gemini Cust Non-Penny Take	0.85	Tier 1 (Base)
Option	2022-11	Mercury MM Penny Make	0.2	Base
Option	2022-11	Mercury MM NonPenny Make	0.2	Base
Option	2022-11	Miax Pearl MM/Professional Maker Step-Up Rebate	-0.3	Base

Option	2022-11	Miax Pearl Cust Penny Make	-0.25	Base
Option	2022-11	Miax Pearl Cust Penny Take	0.48	Base
Option	2022-11	Miax Pearl Cust Non-Penny Make	-0.85	Base
Option	2022-11	Miax Pearl Cust Non-Penny Take	0.84	Base
Option	2022-11	Miax Pearl MM Penny Maker Contra Non-Cust	-0.25	Base
Option	2022-11	Miax Pearl MM Penny Maker Contra Cust	-0.23	Base
Option	2022-11	Miax Pearl MM Penny Taker Contra Non-Cust	0.5	Base
Option	2022-11	Miax Pearl MM Penny Taker Contra Cust	0.5	Base
Option	2022-11	Miax Pearl MM Non-Penny Make	-0.3	Base
Option	2022-11	Miax Pearl MM Non-Penny Take	1.1	Base
Option	2022-11	Miax Pearl Non-Cust Penny Maker Contra Non-Cust	-0.25	Base
Option	2022-11	Miax Pearl Non-Cust Penny Maker Contra Cust	-0.23	Base
Option	2022-11	Miax Pearl Non-Cust Penny Taker Contra Non-Cust	0.5	Base
Option	2022-11	Miax Pearl Non-Cust Non-Penny Make	-0.3	Base
Option	2022-11	Miax Pearl Non-Cust Non-Penny Take	1.1	Base
Option	2022-11	Miax Emer Cust Penny Maker Simple	-0.48	Base
Option	2022-11	Miax Emer Cust Penny Taker Simple	0.47	Base
Option	2022-11	Miax Emer Cust Penny Complex	-0.25	Base
Option	2022-11	Miax Emer Non-Cust Non-MM Penny Taker Simple	0.5	Base
Option	2022-11	Miax Emer MM (incl. Away) Penny Taker Simple	0.5	Base
Option	2022-11	Miax Emer MM Penny Maker Simple	-0.35	Base
Option	2022-11	Miax Emer Cust Non-Penny Maker Simple	-0.85	Base
Option	2022-11	Miax Emer Cust Non-Penny Taker Simple	0.85	Base
Option	2022-11	Miax Emer Cust Non-Penny Complex	-0.4	Base
Option	2022-11	Miax Emer Non-Cust Non-Penny Taker Simple	0.99	Base
Option	2022-11	Miax Emer MM Non-Penny Maker Simple	-0.45	Base
Option	2022-11	Miax Emer MM Non-Penny Taker Complex	0.88	Base
Option	2022-11	BOX MM Multiply Listed	-	
Option	2022-11	BOX Customer Multiply Listed	-	
Option	2022-11	BX Cust Penny Non-Select Maker contra Non-C	-	Base
Option	2022-11	BX Cust Penny Non-Select Taker contra Non-C	-	Base
Option	2022-11	BX MM Penny Non-Select Taker contra Cust	0.39	Base
Option	2022-11	BX Cust Select Maker contra Non-Cust	-	Base
Option	2022-11	BX MM Select Maker contra Cust	0.44	Base
Option	2022-11	BX Cust Select Taker contra Non-Cust	-	Base
Option	2022-11	BX MM Select Taker contra Cust	0.42	Base
Option	2022-11	BX MM Select Taker contra Non-Cust	0.14	Base
Option	2022-11	CBOE Volume Incentive Program	-	Base
Option	2022-11	ISE MM Plus	-	Base
Option	2022-11	ISE Customer Complex Select Symbols	-0.25	Base
Option	2022-11	ISE Customer Complex Non-Select Symbols	-0.4	Base
Option	2022-11	MIAX Penny	0.47	Base
Option	2022-11	MIAX Non-Penny	0.75	Base
Option	2022-11	MIAX Professional rebate Program		
Option	2022-11	MIAX Simple	-	
Option	2022-11	MIAX Complex	-	
Option	2022-11	MIAX Priority Customer rebate Program	-	
Option	2022-11	Nasdaq Cust Penny Maker	-0.2	Tier 3
Option	2022-11	Nasdaq Procust Penny Maker	-0.2	Tier 3
Option	2022-11	Nasdaq Cust/Procust NonPenny Maker	-0.8	Tier 2
Option	2022-11	Nasdaq MM Penny Maker	-0.2	Base
Option	2022-11	PHLX Cust Rebate Program	-	
Option	2022-12	AMEX Customer	-	Base
Option	2022-12	ARCA Cust/Procust Penny Maker	-0.43	Tier 2
Option	2022-12	ARCA Cust/Procust NonPenny Maker	-0.75	Base
Option	2022-12	ARCA Firm/BD Non-Penny Maker	-0.1	Base
Option	2022-12	ARCA Cust Incentive Program	-	Base
Option	2022-12	ARCA NonCust NonPenny Maker Credit	-	Base
Option	2022-12	ARCA ProCust/NonCust Penny Taker Discount	-	Base
Option	2022-12	ARCA ProCust/NonCust NonPenny Taker Discour	-	Base
Option	2022-12	BATS Cust Penny Maker	-0.25	Base
Option	2022-12	BATS ProCust Penny Maker	-0.25	Base
Option	2022-12	BATS Firm, BD, JBO Penny Maker	-0.25	Base
Option	2022-12	BATS MM Penny Maker	-0.29	Base
Option	2022-12	BATS AwayMM Penny Maker	-0.26	Base
Option	2022-12	BATS NonCust Penny Taker	0.5	Base
Option	2022-12	BATS Cust NonPenny Maker	-0.85	Base
Option	2022-12	BATS Firm, BD, JBO NonPenny Maker	-0.3	Base

Option	2022-12	BATS	MM NonPenny Maker	-0.4	Base
Option	2022-12	BATS	AwayMM NonPenny Maker	-0.3	Base
Option	2022-12	BATS	NonCust NonPenny Taker	1.1	Base
Option	2022-12	BATS	NBBO Credit (MM and Away MM only)	-	
Option	2022-12	EDGX	Cust	-0.01	Base
Option	2022-12	EDGX	MM	0.2	Base
Option	2022-12	EDGX	Firm Penny	0.45	Base
Option	2022-12	EDGX	Complex Cust (Contra Non-Cust) Penny	-0.39	Base
Option	2022-12	EDGX	Complex Cust (Contra Non-Cust) NonPenn	-0.75	Base
Option	2022-12	EDGX	SUM Reponder Bonus	-0.05	
Option	2022-12	Gemini	MM Penny Make	-0.28	Tier 1 (Base)
Option	2022-12	Gemini	Cust Penny Make	-0.25	Tier 1 (Base)
Option	2022-12	Gemini	Non-Cust Penny Take	0.5	Tier 1 (Base)
Option	2022-12	Gemini	Cust Penny Take	0.48	Tier 1 (Base)
Option	2022-12	Gemini	MM Non-Penny Make	-0.4	Tier 1 (Base)
Option	2022-12	Gemini	Cust Non-Penny Make	-0.75	Tier 1 (Base)
Option	2022-12	Gemini	Non-Cust Non-Penny Take	0.99	Tier 1 (Base)
Option	2022-12	Gemini	Cust Non-Penny Take	0.85	Tier 1 (Base)
Option	2022-12	Mercury	MM Penny Make	0.2	Base
Option	2022-12	Mercury	MM NonPenny Make	0.2	Base
Option	2022-12	Miax Pearl	MM/Professional Maker Step-Up Rebate	-0.3	Base
Option	2022-12	Miax Pearl	Cust Penny Make	-0.25	Base
Option	2022-12	Miax Pearl	Cust Penny Take	0.48	Base
Option	2022-12	Miax Pearl	Cust Non-Penny Make	-0.85	Base
Option	2022-12	Miax Pearl	Cust Non-Penny Take	0.84	Base
Option	2022-12	Miax Pearl	MM Penny Maker Contra Non-Cust	-0.25	Base
Option	2022-12	Miax Pearl	MM Penny Maker Contra Cust	-0.23	Base
Option	2022-12	Miax Pearl	MM Penny Taker Contra Non-Cust	0.5	Base
Option	2022-12	Miax Pearl	MM Penny Taker Contra Cust	0.5	Base
Option	2022-12	Miax Pearl	MM Non-Penny Make	-0.3	Base
Option	2022-12	Miax Pearl	MM Non-Penny Take	1.1	Base
Option	2022-12	Miax Pearl	Non-Cust Penny Maker Contra Non-Cust	-0.25	Base
Option	2022-12	Miax Pearl	Non-Cust Penny Maker Contra Cust	-0.23	Base
Option	2022-12	Miax Pearl	Non-Cust Penny Taker Contra Non-Cust	0.5	Base
Option	2022-12	Miax Pearl	Non-Cust Non-Penny Make	-0.3	Base
Option	2022-12	Miax Pearl	Non-Cust Non-Penny Take	1.1	Base
Option	2022-12	Miax Emer	Cust Penny Maker Simple	-0.48	Base
Option	2022-12	Miax Emer	Cust Penny Taker Simple	0.47	Base
Option	2022-12	Miax Emer	Cust Penny Complex	-0.25	Base
Option	2022-12	Miax Emer	Non-Cust Non-MM Penny Taker Simple	0.5	Base
Option	2022-12	Miax Emer	MM (incl. Away) Penny Taker Simple	0.5	Base
Option	2022-12	Miax Emer	MM Penny Maker Simple	-0.35	Base
Option	2022-12	Miax Emer	Cust Non-Penny Maker Simple	-0.85	Base
Option	2022-12	Miax Emer	Cust Non-Penny Taker Simple	0.85	Base
Option	2022-12	Miax Emer	Cust Non-Penny Complex	-0.4	Base
Option	2022-12	Miax Emer	Non-Cust Non-Penny Taker Simple	0.99	Base
Option	2022-12	Miax Emer	MM Non-Penny Maker Simple	-0.45	Base
Option	2022-12	Miax Emer	MM Non-Penny Taker Complex	0.88	Base
Option	2022-12	BOX	MM Multiply Listed	-	
Option	2022-12	BOX	Customer Multiply Listed	-	
Option	2022-12	BX	Cust Penny Non-Select Maker contra Non-	-	Base
Option	2022-12	BX	Cust Penny Non-Select Taker contra Non-C	-	Base
Option	2022-12	BX	MM Penny Non-Select Taker contra Cust	0.39	Base
Option	2022-12	BX	Cust Select Maker contra Non-Cust	-	Base
Option	2022-12	BX	MM Select Maker contra Cust	0.44	Base
Option	2022-12	BX	Cust Select Taker contra Non-Cust	-	Base
Option	2022-12	BX	MM Select Taker contra Cust	0.42	Base
Option	2022-12	BX	MM Select Taker contra Non-Cust	0.14	Base
Option	2022-12	CBOE	Volume Incentive Program	-	Base
Option	2022-12	ISE	MM Plus	-	Base
Option	2022-12	ISE	Customer Complex Select Symbols	-0.25	Base
Option	2022-12	ISE	Customer Complex Non-Select Symbols	-0.4	Base
Option	2022-12	MIAX	Penny	0.47	Base
Option	2022-12	MIAX	Non-Penny	0.75	Base
Option	2022-12	MIAX	Professional rebate Program		
Option	2022-12	MIAX	Simple	-	
Option	2022-12	MIAX	Complex	-	
Option	2022-12	MIAX	Priority Customer rebate Program	-	

Option	2022-12	Nasdaq	Cust Penny Maker	-0.225	Tier 2
Option	2022-12	Nasdaq	Procust Penny Maker	-0.225	Tier 2
Option	2022-12	Nasdaq	Cust/Procust NonPenny Maker	-0.85	Tier 2
Option	2022-12	Nasdaq	MM Penny Maker	-0.2	Base
Option	2022-12	PHLX	Cust Rebate Program	-	