



Options Transaction Fees (1)(3)(4)(7)(15)(32)(39)

Equity Options Rate Table (13)		Transaction Fee Per Contract						
Origin	Origin Code	Manual		Electronic		AIM Agency/Primary (19)	AIM Contra (18)	CFLEX AIM Response (20)
		Penny Classes	Non-Penny Classes	Penny Classes	Non-Penny Classes			
Customer	C	\$0.00						
Clearing Trading Permit Holder Proprietary (11)(12)(16)	F L	\$0.20 - See Clearing Trading Permit Holder Fee Cap		\$0.43	\$0.70	\$0.20 - See Clearing Trading Permit Holder Fee Cap	\$0.07	\$0.25
Facilitation (11)	F L	\$0.00						
Cboe Options Market-Maker/DPM/LMM (10)	M	See Liquidity Provider Sliding Scale and Liquidity Provider Sliding Scale Adjustment Table						
Broker-Dealer (16)	B							
Non-Trading Permit Holder Market Maker (16)	N	\$0.25		\$0.47	\$0.75	\$0.20	\$0.07	\$0.25
Professional /Voluntary Professional /Joint Back-Office	W J	\$0.12 W Origin Code Only						\$0.30
Complex Surcharge (35)	F J L M B N W	\$0.12						

ETF and ETN Options Rate Table (13)		Transaction Fee Per Contract						
Origin	Origin Code	Manual		Electronic		AIM Agency/Primary (19)	AIM Contra (18)	CFLEX AIM Response (20)
		Penny Classes	Non-Penny Classes	Penny Classes	Non-Penny Classes			
Customer (2)(8)(9)	C	\$0.00		\$0.00 if adding liquidity (Maker)/ \$0.18 if original order size is 100 contracts or greater and removing liquidity (Taker)			\$0.00	
Clearing Trading Permit Holder Proprietary (11)(12)(16)	F L	\$0.20 - See Clearing Trading Permit Holder Fee Cap		\$0.43	\$0.70	\$0.20 - See Clearing Trading Permit Holder Fee Cap	\$0.07	\$0.25
Facilitation (11)	F L	\$0.00						
Cboe Options Market-Maker/DPM/LMM (10)	M	See Liquidity Provider Sliding Scale and Liquidity Provider Sliding Scale Adjustment Table						
Broker-Dealer (16)	B							
Non-Trading Permit Holder Market Maker (16)	N	\$0.25		\$0.47	\$0.75	\$0.20	\$0.07	\$0.25
Professional /Voluntary Professional /Joint Back-Office	W J	\$0.12 W Origin Code Only						\$0.30
Complex Surcharge (35)	F J L M B N W	\$0.12						

Index Options Rate Table - All Index Products Excluding Underlying Symbol List A (34) and Sector Indexes (47)		Transaction Fee Per Contract						
Origin	Origin Code	Manual		Electronic		AIM Agency/Primary (19)	AIM Contra (18)	CFLEX AIM Response (20)
		Penny Classes	Non-Penny Classes	Penny Classes	Non-Penny Classes			
Customer (2)	XSP	\$0.00						
	MXEA and MXEF	\$0.25						
	All Index Products Excluding Underlying Symbol List A (34) and Sector Indexes (47)	\$0.18						
Clearing Trading Permit Holder Proprietary (11)(12)(16)	F L	\$0.20 - See Clearing Trading Permit Holder Fee Cap		\$0.43	\$0.70	\$0.20 - See Clearing Trading Permit Holder Fee Cap	\$0.07	\$0.25
Facilitation (11)	F L	\$0.00						
Cboe Options Market-Maker/DPM/LMM (10)	M	See Liquidity Provider Sliding Scale and Liquidity Provider Sliding Scale Adjustment Table						
Broker-Dealer (16)	B							
Non-Trading Permit Holder Market Maker (16)	N	\$0.25		\$0.47	\$0.75	\$0.20	\$0.07	\$0.25
Professional /Voluntary Professional /Joint Back-Office	W J	\$0.12 W Origin Code Only						\$0.30
Surcharge Fee (14)	DJX, MXEA and MXEF	\$0.10						
Index License	MINX and NDX	\$0.25						
CFLEX Surcharge Fee (17) - DJX, MXEA, MXEF and XSP Only	C F J L M B N W	\$0.10 (capped at \$250 per trade)						
Exotic Surcharge	C	\$0.25						
Exotic Surcharge - XSP Only	C	\$0.03						
Complex Surcharge (35)	F J L M B N W	\$0.12						

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Specified Proprietary Index Options Rate Table - Underlying Symbol List A (34) and Sector Indexes (47)(41) (Also applies to GTH)(37)			Options Transaction Fees (1)(3)(4)(7)(15)(32)(39)				
Origin	Products	Origin Code	Transaction Fee Per Contract by Premium Price			VIX Only SPX (incl SPXW) in GTH Only	
			\$0.00 - \$0.10	\$0.11 - \$0.99	\$1.00+	AIM Agency/Primary (19)	AIM Contra (18)
Customer (2)	OEX and XEO	C	\$0.40				
	OEX Weeklys, XEO Weeklys and Sector Indexes (47)		\$0.30				
	RUT, RLG, RLV, RUI, AWDE, FTEM, FXTM and UKXM (40)		\$0.18				
	SPX (incl SPXW)		\$0.35	\$0.44	See Rates to Left		
	VIX and VOLATILITY INDEXES		\$0.10	\$0.25	\$0.45	See Rates to Left	
Clearing Trading Permit Holder Proprietary (11)(12)(16)(40)	Underlying Symbol List A (34)	F L	\$0.25 - See Cboe Options Clearing Trading Permit Holder Proprietary Products Sliding Scales				
	Sector Indexes (47)		\$0.25 - Fees for Facilitations will be waived through June 30, 2019			See Rates to Left	
Cboe Options Market-Maker/ DPM/LMM (10)(38)(42)(43)	SPX (incl SPXW)(41)	M	See SPX Liquidity Provider Sliding Scale				
	RUT		\$0.30				
	RLG, RLV, RUI, AWDE, FTEM, FXTM, UKXM, OEX and XEO (40)		\$0.20				
	VIX and VOLATILITY INDEXES (43)(45)		\$0.05	\$0.23	See Rates to Left		
	Sector Indexes (47)		See Liquidity Provider Sliding Scale and Liquidity Provider Sliding Scale Adjustment Table				
Joint Back-Office (45)	OEX, XEO, SPX (incl SPXW), VIX, Volatility Indexes and Sector Indexes (47)	B N W J	\$0.40				
Broker-Dealer (16) (45)							
Non-Trading Permit Holder Market Maker (16) (45)							
Professional/Voluntary Professional (45)							
Broker-Dealer (16)							
Non-Trading Permit Holder Market Maker (16)							
Professional/Voluntary Professional/Joint Back-Office							
Surcharge Fee (14) (Also applies to GTH)(37)	Index License (41)	RUT	\$0.45				
		SPX (incl SPXW) (41)	\$0.16				
	Product Research & Development - GVZ, VXEEM, VXEWS and OVX	OEX, RLG, RLV, RUI, AWDE, FTEM, FXTM, UKXM, XEO, VIX, VOLATILITY INDEXES (excluding GVZ, VXEEM, VXEWS and OVX) and Sector Indexes (47)(40)	F J L M B N W	\$0.10			
		(This surcharge is waived, through June 30, 2019, for Sector Indexes (47) and for origin codes F and L for VIX transactions where the VIX Premium is ≤ \$0.10 and the related series has an expiration of seven (7) calendar days or less.)					
CFLEX Surcharge Fee (17)(40)		C F J L M B N W	\$0.10 (capped at \$250 per trade)				
Exotic Surcharge		C	\$0.25				
Execution Surcharge (21)	SPX Only (15)	C F J L B N W	\$0.21				
	SPXW (electronic only) (Also applies to GTH)(37)		\$0.10				
Customer Priority Surcharge (31) (Also applies to GTH)(37)	VIX (Maker non-turner)	C	\$0.00	\$0.20			

SPX Liquidity Provider Sliding Scale (41)					
Origin	Tier	Volume Thresholds	Origin Code	Transaction Fee Per Contract	Notes
Cboe Options Market-Maker/LMM	1	0.00% - 1.00%	M	\$0.28	Volume thresholds are based on total Market-Maker volume in SPX and SPXW.
	2	Above 1.00% - 4.00%		\$0.26	
	3	Above 4.00% - 9.00%		\$0.24	
	4	Above 9.00% - 15.00%		\$0.22	
	5	Above 15.00%		\$0.20	

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Liquidity Provider Sliding Scale (10)(32)					
Origin	Tier	Volume Thresholds	Origin Code	Transaction Fee Per Contract	Notes
Cboe Options Market-Maker/DPM/LMM	1	0.00% - 0.05%	M	\$0.23	Volume thresholds are based on total national Market-Maker volume in all underlying symbols excluding Underlying Symbol List A (34) during the calendar month. Applies in all underlying symbols excluding Underlying Symbol List A (34).
	2	Above 0.05% - 0.80%		\$0.17	
	3	Above 0.80% - 1.50%		\$0.10	
	4	Above 1.50% - 2.25%		\$0.05	
	5	Above 2.25%		\$0.03	

Liquidity Provider Sliding Scale Adjustment Table (44)							
Origin	Performance Tier	Make Rate (% Based on Prior Month)	Origin Code	Maker Rebate		Taker Fee	
				Penny Classes	Non-Penny Classes	Penny Classes	Non-Penny Classes
Cboe Options Market-Maker/DPM/LMM	1	0% - 50%	M	\$0.00	\$0.00	\$0.05	\$0.10
	2	Above 50% - 60%		\$0.00	\$0.00	\$0.04	\$0.07
	3	Above 60% - 75%		(\$0.01)	\$0.00	\$0.03	\$0.05
	4	Above 75% - 90%		(\$0.02)	\$0.00	\$0.00	\$0.04
	5	Above 90%		(\$0.03)	\$0.00	\$0.00	\$0.00

Volume Incentive Program (VIP)(23)(36)							
Origin	Tier	Percentage Thresholds of National Customer Volume in All Underlying Symbols Excluding Underlying Symbol List A (34), Sector Indexes (47), DJX, MXEA, MXEF, MNX, NDX, XSP and XSPAM (Monthly)	Origin Code	Per Contract Credit			
				Simple		Complex	
				Non-AIM	AIM	Non-AIM	AIM
Customer/Broker-Dealer/Professional/Voluntary Professional/Joint Back-Office	1	0% - 0.75%	C B J W	\$0.00	\$0.00	\$0.00	\$0.00
	2	Above 0.75% - 2.00%		\$0.10	\$0.09	\$0.21	\$0.19
	3	Above 2.00% - 3.00%		\$0.12	\$0.10	\$0.24	\$0.22
	4	Above 3.00% - 3.75%		\$0.15	\$0.13	\$0.25	\$0.23
	5	Above 3.75%		\$0.15	\$0.14	\$0.25	\$0.24

Notes

Volume for origins B, J and W will count towards tier qualification only. Credits on orders executed electronically in AIM will be capped at 1,000 contracts per order for simple executions and 1,000 contracts per leg for complex executions. Credits on orders executed electronically in HAL will be capped at 1,000 contracts per auction quantity. All contracts executed in AIM and all contracts executed in HAL will continue to be counted towards the percentage thresholds even if they exceed the 1,000 contract cap for VIP credits. Additionally, multiple simple orders from the same affiliated TPH(s) in the same series on the same side of the market that are executed in AIM or HAL within a 3 second period will be aggregated for purposes of determining the order quantity subject to the cap. For this aggregation, activity in AIM and HAL will be aggregated separately. The AIM aggregation timer will begin with an order entered into AIM and continue for 3 seconds, aggregating any other orders entered into AIM in the same series on the same side of the market by the same affiliated TPH. The HAL aggregation timer will begin at the start of a HAL auction and continue for 3 seconds, aggregating any other orders executed in HAL in the same series on the same side of the market for the same affiliated TPH. Any portion of the original order quantity that is executed outside of HAL will not be part of the aggregation or counted towards the 1,000 contract threshold. A TPH will only receive the Complex credit rates for Complex volume if at least 38% of that TPH's qualifying VIP volume in the previous month was comprised of Simple volume. If not, then the TPH's Customer (C) Complex volume will receive credits at the applicable Simple credit rate only.

Affiliate Volume Plan (AVP)(23)(24)					
Origin	Origin Code	VIP Tier Reached	MM Affiliate Access Credit	Liquidity Provider Sliding Scale Credit	Notes
Cboe Options Market-Maker/DPM/LMM (10)	M	1			If a Market-Maker affiliate ("affiliate" defined as having at least 75% common ownership between the two entities as reflected on each entity's Form BD, Schedule A)("Affiliate OFP") or Appointed OFP receives a credit under the Exchange's Volume Incentive Program ("VIP"), the Market-Maker will receive an access credit on their Market-Maker trading permit fees corresponding to the VIP tier reached. This credit will not apply to Market-Maker Trading Permits used for appointments in RUT, SPX, VIX, OEX and XEO. The Market-Maker will also receive a transaction fee credit on their sliding scale Market-Maker transaction fees, not including any additional surcharges or fees assessed as part of the Liquidity Provider Sliding Scale Adjustment Table.
		2	10%	10%	
		3	15%	15%	
		4	30%	30%	
		5	35%	35%	

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Marketing Fee (6)				
Origin	Product Line	Origin Code	Collection Per Contract	Notes
Cboe Options Market-Maker/DPM/LMM	Penny Pilot Classes	M	\$0.25	
	All Other Classes		\$0.70	

Cboe Options Clearing Trading Permit Holder Proprietary Products Sliding Scales (11)(32)(Also applies to GTH)(37)							
TABLE A - Proprietary Products Sliding Scale							
Origin	Tier	Proprietary Product Volume Thresholds	Origin Code	Transaction Fee Per Contract	Notes		
Clearing Trading Permit Holder Proprietary	≥ 25,000 ADV ≤ 69,999 ADV in all underlying symbols excluding Underlying Symbol List A (34)		F L		Clearing Trading Permit Holder Proprietary transaction fees and transaction fees for Non-Trading Permit Holder Affiliates (as defined in footnote 11) in Underlying Symbol List A (34) will be eligible for reduced rates using the sliding scales identified in Table A and Table B as follows. For each Clearing Trading Permit Holder, Cboe Options will assess the lesser amount of transaction fees calculated from either: A) the Proprietary Products Sliding Scale identified in Table A, for all activity in Underlying Symbol List A (34) during a calendar month, provided a Clearing Trading Permit Holder reaches certain ADV thresholds in all underlying symbols, excluding 1) Underlying Symbol List A (34), 2) any contracts for which a strategy cap has been applied (as defined in Footnote 13); or B) the sum of the Transaction fees from the application of the Proprietary Products Sliding Scale to all activity in Underlying Symbol List A (34) during a calendar month, excluding activity in VIX options, PLUS the transaction fees in VIX options as derived from Table B. For each, percentages are calculated by accounting for all volume in the respective products for each Table executed with an "F" or "L" Origin Code, with volume in GTH aggregated with RTH volume for the same calendar month included for purposes of calculating the proprietary product volume thresholds and the reduced transaction fees per contract.		
	B3	0.00% - 6.50%		\$0.22			
	B2	6.51% - 8.50%		\$0.18			
	B1	Above 8.50%		\$0.05			
	≥ 70,000 ADV in all underlying symbols excluding Underlying Symbol List A (34)		F L				
	A2	0.00% - 6.50%		\$0.18			
	A1	Above 6.50%		\$0.04			
	TABLE B - VIX Sliding Scale						
		Tier	VIX Volume Thresholds	Origin Code		Transaction Fee Per Contract	
		1	0.00% - 1.00%	F L		\$0.25	
	2	1.01% - 5.50%	\$0.15				
	3	5.51% - 8.00%	\$0.05				
	4	Above 8.00%	\$0.01				

Clearing Trading Permit Holder Fee Cap (11)(22)							
Origin	Execution Type	Origin Code	(F) Fee Per Contract	Does Volume Count Toward \$75,000 Fee Cap?	Count Toward Proprietary Product Sliding Scale?	(C) Volume of Paired Order Count for VIP?	Notes
Clearing Trading Permit Holder Proprietary	Electronic Penny (non-AIM)	F L	\$0.43	No	Yes	N/A	Clearing Trading Permit Holder Fee Cap Includes transaction fees assessed as part of a strategy cap (see Footnote 13). However, a Clearing Trading Permit Holder that has reached the Clearing Trading Permit Holder Fee Cap in a given month would no longer be eligible for Strategy Rebates as defined in Footnote 13.
	Electronic Non-Penny (non-AIM)		\$0.70	No	Yes	N/A	
	Open Outcry		\$0.20	Yes	Yes	No	
	QCC		\$0.17	Yes	Yes	No	
	FLEX		\$0.25	Yes	Yes	Yes	
	AIM Primary Order		\$0.20	Yes	Yes	Yes	
	AIM Facilitation Contra Order		\$0.07	Yes	Yes	Yes	
	AIM Solicitation Contra Order		\$0.07	Yes	Yes	Yes	
	Open Outcry Facilitation		\$0.00	No	Yes	No	
	Open Outcry Solicitation		\$0.20	Yes	Yes	Yes	

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Select Customer Options Reduction ("SCORE") Program (48)					
Origin	Tier	Percentage of All Customer Retail Volume in Retail Volume Percentage in Qualifying Classes between 20.00% and 69.99%	Origin Code	Discount Per Retail Contract	Notes
	Qualifying Tier B				
Customer	B3	0.00% - 5.00%	C	\$0.00	The SCORE Program is for Retail, Non-FLEX Customer ("C" origin code) volume in the following options classes: SPX (including SPXW), VIX, RUT, MXEA, MXEF & XSP ("Qualifying Classes"). The SCORE program is available to any Trading Permit Holder ("TPH") Originating Clearing Firm or non-TPH Originating Clearing Firm. For this program, an "Originating Clearing Firm", will be defined as either (a) the executing clearing OCC number on any transaction which does not also include a Clearing Member Trading Agreement ("CMTA") OCC clearing number or (b) the CMTA in the case of any transaction which does include a CMTA OCC clearing number. In order to participate, an Originating Firm must complete the SCORE Registration Form by the second to last business day of the month preceding the month in which their participation in the SCORE program will commence. The Exchange will aggregate an Originating Firm's volume with volume of their OCC clearing affiliates if such affiliates are reported to the Exchange via the SCORE Registration Form and there is at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A. "Originating Firm" will refer to both an Originating Clearing Firm and any applicable affiliates.
	B2	Above 5.00% - 26.00%		\$0.04	
	B1	Above 26.00%		\$0.08	
	Retail Volume Percentage in Qualifying Classes at or above 70.00%				
	Qualifying Tier A				
	A5	0.00% - 5.00%		\$0.00	
	A4	Above 5.00% - 37.00%		\$0.08	
	A3	Above 37.00% - 41.00%		\$0.17	
	A2	Above 41.00% - 47.00%		\$0.21	
A1	Above 47.00%	\$0.25			

QCC Rate Table (13)				
Origin	Origin Code	Transaction Fee Per Contract	Per Contract Credit	Notes
Customer	C	\$0.00	\$0.10	Credits will be delivered to the TPH Firm that enters the order into Cboe Command but will only be paid on the initiating side of the QCC transaction. Credits will be capped at \$350,000 per month, per TPH. Credits of affiliated TPHs (TPHs with at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A) will be aggregated for purposes of determining whether a TPH has met the QCC credit cap. Credits will not be paid on Customer (C) to Customer (C) executions. A QCC transaction is comprised of an 'initiating order' to buy (sell) at least 1,000 contracts, coupled with a contra-side order or orders totaling an equal number of contracts. For complex QCC transactions, the 1,000 contracts minimum is applied per leg.
Clearing Trading Permit Holder Proprietary (11)(12)(16)	F L	\$0.17		
Cboe Options Market-Maker/DPM/LMM	M			
Broker-Dealer (16)	B			
Non-Trading Permit Holder Market Maker (16)	N			
Professional /Voluntary Professional /Joint Back-Office	W J			

Customer Large Trade Discount (27)(32)(Also applies to GTH)(37)				
Regular customer transaction fees will only be charged up to the listed quantity of contracts per order.				
Origin	Products	Origin Code	Transaction Fees	Notes
Customer	VIX	C	Charge only first 15,000	For an order to be eligible to qualify for the discount, the order in its entirety must be executed in either GTH or RTH, but not both.
	SPX (includes SPXW)		Charge only first 20,000	
	Other Index Options		Charge only first 5,000	
	ETF and ETN Options		Charge only first 3,000	

Large Trade Discount (Also applies to GTH)(37)(45)				
Regular transaction fees will only be charged up to the listed quantity of contracts per order.				
Origin	Products	Origin Code	Transaction Fees	Notes
Cboe Options Market-Maker/ DPM/ LMM Broker-Dealer (16) Non-Trading Permit Holder Market Maker (16) Professional /Voluntary Professional /Joint Back-Office	VIX	M B N W J	Charge only 175,000	For an order to be eligible to qualify for the discount, the order in its entirety must be executed in either GTH or RTH, but not both.

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Trading Permit and Tier Appointment Fees (24)(25)(26)(37)(49)				
Origin	Type of Trading Permit or Tier Appointment	Origin Code	Access Fee	Notes
Cboe Options Market-Maker/DPM/LMM/ Floor Broker	Market-Maker Trading Permit	M	\$5,000 per month	See Market-Maker Trading Permit Sliding Scale
	Market-Maker Trading Permit - GTH		\$1,000 per month	The fee is waived for the first Market-Maker Trading Permit through June 30, 2019.
	RUT Tier Appointment		\$1,000 per month	
	SPX Tier Appointment		\$3,000 per month	
	Floor Broker SPX Surcharge	M	\$3,000 per month	
	VIX Tier Appointment		\$2,000 per month	
	Floor Broker VIX Surcharge		\$2,000 per month	
	Floor Broker Trading Permit		\$9,000 per month	See Floor Broker Trading Permit Sliding Scale
	Electronic Access Permit		\$1,600 per month	
Electronic Access Permit - GTH	\$500 per month	The fee is waived for the first Electronic Access Permit through June 30, 2019.		
Trading Permit Descriptions				
Market-Maker Trading Permit	Entitles the holder to act as a Market-Maker (including a Market-Maker trading remotely), DPM, eDPM or LMM. This Permit provides an appointment credit of 1.0, a quoting and order entry bandwidth allowance, up to three logins, trading floor access and Trading Permit Holder status.			
Market-Maker Trading Permit - GTH	Entitles the holder to act as a Market-Maker in GTH. This Permit provides an appointment credit of 1.0, a quoting and order entry bandwidth allowance and up to three logins.			
Quoting Bandwidth	The allowance for a Market-Maker Trading Permit used for an appointment in any options classes other than SPX (including SPXW) is equivalent to a maximum of 40,500,000 quotes over the course of a trading session and the allowance for a Market-Maker Trading Permit used for an appointment in SPX (including SPXW) is equivalent to a maximum of 81,000,000 quotes over the course of a trading session. The allowance for an GTH Market-Maker Trading Permit that is not used for an appointment in SPX (including SPXW) is equivalent to a maximum of 37,500,000 and the allowance for a GTH Market-Maker Trading Permit used for an appointment in SPX (including SPXW) is equivalent to a maximum of 75,000,000 quotes over the course of a trading session. To the extent a Market-Maker is able to submit electronic quotes in SPX and/or SPXW, the Market-Maker shall receive the quoting bandwidth allowance to quote in, and only in, SPX and/or SPXW.			
SPX Tier Appointment	In order for a Market-Maker Trading Permit to be used to act as a Market-Maker in SPX, including SPX Weeklys, the Trading Permit Holder must obtain an SPX Tier Appointment for that Market-Maker Trading Permit. Each SPX Tier Appointment may only be used with one designated Market-Maker Trading Permit. The SPX Tier Appointment fee will be assessed to any Market-Maker Trading Permit Holder that either (a) has an SPX Tier Appointment at any time during a calendar month and trades at least 100 contracts while that appointment is active; or (b) conducts any open outcry transactions in SPX or SPX Weeklys at any time during a calendar month. The SPX Tier Appointment fee will not be assessed to a Trading Permit Holder Market Maker who (i) does not have an SPX Tier Appointment, (ii) only executes SPX or SPX Weeklys open outcry transactions as part of multi-class broad-based index spread transactions, and (iii) submits the SPX Tier Appointment Fee Exclusion for Multi-Class Broad-Based Index Spread Transactions Form within three business days of execution of the applicable spread transaction(s).			
Floor Broker SPX Surcharge	An additional monthly fee of \$3,000 per month will be assessed to any Floor Broker Trading Permit Holder that executes more than 20,000 SPX contracts during the month. If and to the extent that a Trading Permit Holder or TPH organization has more than one Floor Broker Trading Permit that is utilized to execute SPX options transactions, the SPX executions of that Trading Permit Holder or TPH organization shall be aggregated for purposes of determining this additional monthly fee and the Trading Permit Holder or TPH organization shall be charged a single \$3,000 fee for the combined SPX executions through those Floor Broker Trading permits if the executions exceed 20,000 contracts per month. The SPX Surcharge will not be assessed to a Floor Broker Trading Permit Holder who (i) only executes SPX (including SPXW) options transactions as part of multi-class broad-based index spread transactions, and (ii) submits the SPX Tier Appointment Fee Exclusion for Multi-Class Broad-Based Index Spread Transactions Form within three business days of execution of the applicable spread transaction(s).			
VIX Tier Appointment	In order for a Market-Maker Trading Permit to be used to act as an electronic Market-Maker in VIX, the Trading Permit Holder must obtain a VIX Tier Appointment for that Market-Maker Trading Permit. Each VIX Tier Appointment may only be used with one designated Market-Maker Trading Permit. The VIX Tier Appointment fee will be assessed to any Market-Maker Trading Permit Holder that either (a) has a VIX Tier Appointment at any time during a calendar month and trades at least 100 VIX options contracts electronically while that appointment is active; or (b) trades at least 1,000 VIX options contracts in open outcry during a calendar month.			
RUT Tier Appointment	In order for a Market-Maker Trading Permit to be used to act as an electronic Market-Maker in RUT, the Trading Permit Holder must obtain a RUT Tier Appointment for that Market-Maker Trading Permit. Each RUT Tier Appointment may only be used with one designated Market-Maker Trading Permit. The RUT Tier Appointment fee will be assessed to any Market-Maker Trading Permit Holder that either (a) has a RUT Tier Appointment at any time during a calendar month and trades at least 100 RUT options contracts electronically while that appointment is active; or (b) trades at least 1,000 RUT options contracts in open outcry during a calendar month.			
Floor Broker VIX Surcharge	An additional monthly fee of \$2,000 per month will be assessed to any Floor Broker Trading Permit Holder that executes more than 20,000 VIX contracts during the month. If and to the extent that a Trading Permit Holder or TPH organization has more than one Floor Broker Trading Permit that is utilized to execute VIX options transactions, the VIX executions of that Trading Permit Holder or TPH organization shall be aggregated for purposes of determining this additional monthly fee and the Trading Permit Holder or TPH organization shall be charged a single \$2,000 fee for the combined VIX executions through those Floor Broker Trading Permits if the executions exceed 20,000 contracts per month.			
Floor Broker Trading Permit	Entitles the holder to act as a Floor Broker. This Permit provides an order entry bandwidth allowance, up to three logins, trading floor access and Trading Permit Holder status.			
Electronic Access Permit	Entitles the holder to electronic access to the Exchange. Holders must be broker-dealers registered with the Exchange in one or more of the following capacities: (a) Clearing Trading Permit Holder; (b) TPH organization approved to transact business with the public; (c) Proprietary Trading Permit Holder; and (d) order service firm. This permit does not provide access to the trading floor. A Proprietary Trading Permit Holder is a Trading Permit Holder with electronic access to the Exchange to submit proprietary orders that are not Market-Maker orders (i.e., that are not M orders for the Proprietary Trading Permit Holder's own account or an affiliated Market-Maker account). The Electronic Access Permit provides an order entry bandwidth allowance, up to three logins and Trading Permit Holder status.			
Electronic Access Permit - GTH	Entitles the holder to electronic access to the Exchange during GTH. Holders must be broker-dealers registered with the Exchange in one or more of the following capacities: (a) Clearing Trading Permit Holder; (b) TPH organization approved to transact business with the public; and (c) Proprietary Trading Permit Holder. A Proprietary Trading Permit Holder is a Trading Permit Holder with electronic access to the Exchange to submit proprietary orders that are not Market-Maker orders (i.e., that are not M orders for the Proprietary Trading Permit Holder's own account or an affiliated Market-Maker account). The Electronic Access Permit provides an order entry bandwidth allowance, up to three logins.			

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Market-Maker Trading Permit Sliding Scale (24)(26)				
Tier	From	To	Amount Per Month Per Permit	Notes
	1 Permit	10 Permits	\$5,000	The sliding scale will be available for all Market-Maker Trading Permits held by affiliated Trading Permit Holders and TPH Organizations that are used for appointments in any options classes other than RUT, SPX, VIX, OEX and XEO. To qualify for the rates in Tiers 1 and 2, a TPH must commit in advance to a specific tier that includes a minimum number of eligible MM Trading Permits through September 2019.
Tier 1	11 Permits	20 Permits	\$3,700	
Tier 2	21 or More Permits		\$1,800	

Floor Broker Trading Permit Sliding Scale (25)(26)				
Tier	From	To	Amount Per Month Per Permit	Notes
	1 Permit	1 Permit	\$9,000	The sliding scale will be available for all Floor Broker Trading Permits held by affiliated Trading Permit Holders and TPH Organizations. To qualify for the rates in Tiers 1 and 2, a TPH must commit in advance to a specific tier that includes a minimum number of eligible FB Trading Permits through September 2019.
Tier 1	2 Permits	5 Permits	\$5,000	
Tier 2	6 or More Permits		\$3,000	

Bandwidth Packet Fees						
Trading Permit Holder Bandwidth Packets		Amount Per Packet	Notes			
Quoting and Order Entry Bandwidth Packet		\$2,750 per month	Bandwidth packet fees are non-refundable and are assessed through the integrated billing system during the first week of the following month. If a bandwidth packet is issued during a calendar month after the first trading day of the month, the bandwidth packet fee for that calendar month is prorated based on the remaining trading days in the calendar month. Bandwidth packets will be renewed automatically for the next month unless the Trading Permit Holder submits written notification to the Registration Services Department by the last business day of the prior month to cancel the bandwidth packet effective at or prior to the end of the applicable month. For GTH, the fee is waived for the first Quoting and Order Entry Bandwidth Packet and the first Order Entry Bandwidth Packet through June 30, 2019.			
Quoting and Order Entry Bandwidth Packet - GTH (37)		\$500 per month				
Order Entry Bandwidth Packet Fees for Trading Permit Holders	1st - 5th Packet	\$1,600 per month				
	6th - 8th Packet	\$800 per month				
	9th - 13th Packet	\$400 per month				
	14th Packet and Each Additional Packet	\$200 per month				
Order Entry Bandwidth Packet - GTH (37)		\$250 per month				
Sponsored User Order Entry Bandwidth Packets		Amount Per Packet Per Assigned Sponsored User				
Fees for Order Entry Bandwidth Packet(s) Assigned to Sponsored User	1st - 6th Packet	\$1,600 per month				
	7th - 9th Packet	\$800 per month				
	10th - 14th Packet	\$400 per month				
	15th Packet and Each Additional Packet	\$200 per month				
Bandwidth Packet Descriptions						
Quoting and Order Entry Bandwidth Packet	Available to Market-Maker Trading Permit Holders. Entitles the holder to a quoting and order entry bandwidth allowance and up to three additional logins, which may then be added onto the total bandwidth pool for a Market-Maker's acronym(s) and Trading Permit(s). The quoting bandwidth allowance that is provided with a Quoting and Order Entry Bandwidth Packet is the same as the quoting allowance that is provided with a Market-Maker Trading Permit not used for an appointment in SPX (including SPXW).					
Order Entry Bandwidth Packet	Available to all Trading Permit Holders. Entitles the holder to an order entry bandwidth allowance and up to three additional logins. A Trading Permit Holder may also obtain and assign to a Sponsored User of the Trading Permit Holder one or more Order Entry Bandwidth Packets. In that event, the fees for the assigned bandwidth packet(s) are assessed to the Trading Permit Holder and the bandwidth packet(s) may be utilized solely by the Sponsored User (and not by the Trading Permit Holder or any other Sponsored User).					

GTH Executing Agent Subsidy Program	
<p>A designated GTH executing agent will be eligible to receive a \$5,000 monthly subsidy if it executes at least 1,000 contracts on behalf of customers (including public and broker-dealer customers) during GTH in a calendar month. To become a designated GTH executing agent, a TPH must submit a form to the Exchange no later than 3:00 p.m. on the second to last business day of a calendar month to be designated an GTH executing agent under the program, and thus eligible for the subsidy, beginning the following calendar month. The TPH must include on or with the form information demonstrating it maintains an GTH executing agent operation: (1) physically staffed throughout each entire GTH trading session and (2) willing to accept and execute orders on behalf of customers, including customers for which the agent does not hold accounts. The designation will be effective the first business day of the following calendar month, subject to the Exchange's confirmation the TPH's GTH executing agent operations satisfies these two conditions, and will remain in effect until the Exchange receives an email from the TPH terminating its designation or the Exchange determines the TPH's GTH executing agent operation no longer satisfies these two conditions. Within two business days following the end of a calendar month, in order to receive the subsidy for that month, the designated GTH executing agent must submit to the Exchange (in a form and manner determined by the Exchange) documentation and other evidence it executed at least 1,000 contracts on behalf of customers during GTH that month.</p>	

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Floor Brokerage Fees (1)(5)(15)		
Description	Fee Per Contract	
OEX, XEO, RUT, RLG, RLV, RUI, AWDE, FTEM, FXTM, UKXM and SPX Index Options (40)	Non-Crossed Orders	\$0.04
	Crossed Orders	\$0.02
VIX and Volatility Index Options	Non-Crossed Orders	\$0.03
	Crossed Orders	\$0.015

Floor Brokerage Fees Discount Scale			
Tier	Total Monthly Floor Broker Contracts Traded in Qualifying Classes	% Discount on Qualifying Brokerage Fees	Notes
1	0 - 250,000	0%	This discount is based on total monthly floor broker volume in OEX, XEO, RUT, SPX, SPXw, VIX and volatility index options. Once a volume threshold is attained during the month, the corresponding discount percentage will apply to all qualifying contracts.
2	250,001 - 1,500,000	3%	
3	1,500,001 - 5,000,000	4%	
4	5,000,001 - 7,500,000	5%	
5	Above 7,500,000	6%	

PAR Official Fees (1)(15)(33)				
VIX, VXST and Volatility Index Options PAR Official Fees	Tier Level	% Monthly Volume Executed Through PAR Official in VIX and Volatility Index Options Classes	Standard Orders	Crossed Orders (Per Side)
	1	0 - 24.99%	\$0.03	\$0.015
	2	25 - 49.99%	\$0.06	\$0.03
	3	50 - 74.99%	\$0.09	\$0.045
	4	75 - 100%	\$0.12	\$0.06
PAR Official Fees in All Other Classes	Tier Level	% Monthly Volume Executed Through PAR Official in all Options Classes other than VIX and Volatility Index Options Classes	Standard Orders	Crossed Orders (Per Side)
	1	0 - 24.99%	N/A	N/A
	2	25 - 49.99%	\$0.02	\$0.01
	3	50 - 74.99%	\$0.03	\$0.015
	4	75 - 100%	\$0.04	\$0.02

Sponsored User Fees		
Type	Fee	Notes
Registration Fee	\$2,500 (one time)	This fee is a one-time fee payable by a TPH organization for the registration of each of its Sponsored Users. The Sponsored User Program is governed by Cboe Options Rule 6.20A.
Cboe Options Sponsored User Inactivity Fee	\$5,000 per month	This fee would be charged only if a Cboe Options Sponsored User is not software certified by Cboe Options and has not established a production network connection and passed a login test within 90 days of Cboe Options's acceptance of its Sponsored User registration status and would continue to apply until the Sponsored User has completed all of the foregoing requirements or the Sponsored User's registration status is withdrawn.

Description	Fee	Notes
Position Transfer Fee	\$.02 per contract side	This fee is charged for options positions transferred pursuant to Cboe Options Rule 6.49A. The fee is capped at \$25,000 per transfer. For all on-floor transfers, both the position transferor (seller) and the transferee (buyer) are assessed a fee of \$.02 per contract with a cap of \$12,500 for each. If there are multiple transferees (buyers), each transferee is assessed a fee of \$.02 per contract up to the \$12,500 cap for the transferee side of the transfer package.

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Sales Value Fee	
Description	Notes
Sales Value Fee	The Sales Value Fee ("Fee") is assessed by Cboe Options to each Trading Permit Holder for sales of securities in the following circumstances: (i) when a sale in option securities occurs with respect to which Cboe Options is obligated to pay a fee to the SEC under Section 31 of the Exchange Act and (ii) when a sell order in option securities is routed for execution at a market other than on Cboe Options, resulting in a covered sale on that market and an obligation of the routing broker providing Routing Services for Cboe Options, as described in Cboe Options Rule 6.14B, to pay the related sales fee of that market. To the extent there may be any excess monies collected under this Section 6, the Exchange may retain those monies to help fund its general operating expenses. The Exchange may reimburse its routing broker for all Section 31-related fees incurred by the routing broker in connection with the Routing Services it provides. The sales transactions to which the Fee applies are sales of options (other than options on a security index) and sales of securities resulting from the exercise of physical-delivery options traded on Cboe Options. The Fee is collected either indirectly from Trading Permit Holders through their clearing firms by OCC on behalf of Cboe Options with respect to options sales and options exercises or directly from Trading Permit Holders with respect to on-floor position transfers between unaffiliated Trading Permit Holders. The amount of the Fee is calculated as described below.
Calculation of Fee for Options Sales and Options Exercises	The Sales Value Fee is equal to (i) the Section 31 fee rate multiplied by (ii) the Trading Permit Holder's aggregate dollar amount of covered sales resulting from options transactions occurring on the Exchange during any computational period.
Calculation of Fee for Non-Options Sales	The Sales Value Fee is calculated using the same formula as the formula above for options transactions, except as applied only to the Trading Permit Holder's covered sales other than those resulting from options transactions.

Facility Fees (per month)(28)			
A copy of the Cboe Options Trading Floor Booth Policy is located at www.Cboe.org .			
Booths	Fee Per Month		
Standard Booth Rental Fee	Perimeter	\$195	
	OEX	\$550	
	Dow Jones/MNX/VIX	\$550	
Non-Standard Booth Rental Fee	Base Booth Rental Fee	Square Footage Fee (up to 1,000 sq. ft.)	Notes
	\$1,250	\$1.70 (per sq. ft.)	A Trading Permit Holder ("TPH") organization will pay non-standard booth rental fees on a monthly basis for use of a non-standard booth. The fee a TPH organization will pay is the base booth rental fee plus the square footage fee, determined based on the size of the booth. Non-standard booths must be leased for a term of one year. A TPH organization that terminates its lease prior to its expiration date will, on the effective date of such termination, pay to the Exchange an amount equal to twenty five percent (25%) of the balance of the monthly charges remaining in the lease term. Early termination penalties will not be assessed for early termination of leases entered into prior to August 1, 2016 that are terminated by mutual agreement of the TPH organization and the Exchange.
Booth Pass-Through Fee	A TPH Organization shall be responsible for all costs associated with any modifications and alterations to any trading floor booths leased by the TPH Organization and shall reimburse Cboe Options for all costs incurred by Cboe Options in connection therewith.		
Arbitrage Phone Positions		\$550	
Forms and Forms Storage	HP Laser Printer Paper	\$5.00 per packet of 500 sheets	
	Zebra Printer Paper	\$19.50 per roll	
	Zebra Printer Ink	\$19.50 per roll	
	Forms Storage	\$11	
Access Badges		Fee	
Badge Type	Floor Manager	\$130	
	Clerks	\$70	

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Facility Fees (per month)(28) (continued)					
Communications		Monthly Fee	Installation	Relocation	Removal
Exchangefone	Exchangefone		\$935	\$129	\$100
	Maintenance	\$57			
	With Recorded Coupler Between Booths			\$126	
	Within Booth			\$25	
Single Line	Maintenance	\$11.50			
In-Crowd Telephones (plus usage fee)	Subscription Fee	\$5			
Wireless Phone Rentals (plus usage fee)	Monthly Fee	\$110			
	Replacement/Repairs	cost			
Lines		Monthly Fee	Installation	Relocation	Removal
Intra-Floor		\$57.75			
Voice Circuits		\$16	\$52.50		\$36.75
Appearances	New Circuits - First		\$120		\$50
	New Circuits - @ Additional		\$18		\$18
	Existing Line Appearance - First		\$50	\$50	\$25
	Existing Line Appearance - @ Additional		\$18	\$18	\$18
Data Circuits at Local Carrier (entrance)		\$16	\$52.50		\$36.75
Data Circuits at In-House Frame	Lines Between Local Carrier and Communications Center (CC)	\$12.75	\$550		
	Lines Direct From Local Carrier to Trading Floor	\$12.75	\$725	\$625	
	Lines Between CC and Trading Floor	\$12.75	\$725	\$625	
Vendor Services		Monthly Fee	Installation	Relocation	Removal
Shelf for Equipment		\$100			
Data Circuits from Local Carrier to Equipment Shelf		\$50			
Lines from Equipment to Floor		\$50			
Technical Support Outside Normal Hours (\$100/hour, 4 hr. min.)					
Miscellaneous		Monthly Fee	Installation	Relocation	Removal
Handsets			\$79		
Headset Jack			\$131	\$58	\$28
Recorder Coupler			\$150 new/\$50 existing	\$25	\$25
IPC (vendor) Time & Material (per hour)			cost		
IPC (vendor) Time & Material Overtime (per hour)			cost		
After Hours Technician Service (per hour, 4 hr. min.)			\$100		
Market-Maker Handheld Terminal Tethering Services			\$450	\$200	
Market-Maker Handheld Terminal Tethering Services For Indexes			\$900	\$200	
Trading Floor Terminal Rentals		Monthly Fee	Notes		
Thomson/Other (Basic Service)		\$425			
PULSe On-Floor Workstation			See PULSe Workstation fees below.		
Satellite TV		\$50			
PAR Workstation		\$125			
Cboe Options Trading Floor Terminal		\$250	Installation \$175, Relocation \$225, Removal \$125		
PAR Workstation Replacement Fees		Fee	Notes		
Replacement Tablet		\$1,300 each	Fees are assessed only on items that are (1) lost or (2) damaged from non-normal wear and tear.		
Replacement Stylus Pens		\$100 each			
Replacement Chargers		\$75 each			
Replacement Ethernet Adapters and Protective Cases		\$50 each			

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Facility Fees (per month)(28) (continued)		
Co-Location	Monthly Fee	Notes
Co-Location of Equipment Fee (per "U" - 1.75 inches)	\$50	Fees are charged in increments of 4 "U" (7 inches)
Co-Location of Equipment Fee (per "U" - 1.75 inches)/Sponsored User	\$100	
PULSe Workstation	Monthly Fee	Notes
Workstation (Also applies to GTH)(37)	\$400/month (per TPH login ID for the first 15 login IDs)	The fee is waived for the first month for the first new user of a TPH.
	\$100/month (per each additional TPH login ID)	
	\$400/month (per non-TPH login ID)	The fee is waived for the first month for the first new user of a non-TPH. If two or more TPHs make a PULSe login ID available to the same non-broker-dealer customer or to the same non-TPH broker dealer, the non-TPH login ID fee payable by each TPH will be reduced to \$250 per month per login ID.
Equity Order Reports	\$250/month	
PULSe-to-PULSe Routing	\$50/month (per receiving TPH)	
Away-Market Routing	\$0.02 (per executed contract or share equivalent)	
Drop Copy (received by TPH customer)	\$425/month (per sending TPH)	This fee is payable by a TPH customer receiving drop copies and is \$425/month for each TPH broker that sends the TPH customer drop copies via a PULSe workstation.
Drop Copy (received by non-TPH customer)	\$0.02/contract (capped at \$400/month per receiving non-TPH)	This fee is payable by a TPH broker sending drop copies and is capped at \$400/month for each non-TPH customer to which the TPH broker sends drop copies via a PULSe workstation.
Non-PULSe-to-PULSe Routing (sent by TPH customers)	\$500/month (per receiving TPH)	This fee is payable by a TPH customer using a non-PULSe order management system to send orders electronically to a TPH broker's PULSe workstation and is \$500/month for each TPH broker with a PULSe workstation to which the TPH customer sends orders. TPH customers who request non-PULSe-to-PULSe order routing will also receive drop copies from its TPH brokers and must pay the monthly drop copy fee in addition to the in-bound addition fee.
FIX Integration Drop Copy Start-Up	\$500 (per sending TPH or receiving non-TPH, as applicable)	This fee is payable by the TPH responsible for the drop copy fee. If payable by a TPH customer, the fee is \$500 for each TPH broker to which the TPH customer requests to connect for receipt of drop copies. If payable by a TPH broker, the fee is \$500 for each TPH customer that requesting to connect to the TPH broker for receipt of drop copies.
FIX Integration Drop Copy Cancel	\$500 (per sending TPH or receiving non-TPH, as applicable)	This fee is payable by the TPH responsible for the drop copy fee. If payable by a TPH customer, the fee is \$500 for each TPH broker for which the TPH customer requests to cancel the drop copy functionality. If payable by a TPH broker, the fee is \$500 for each TPH customer of the TPH broker that requests to cancel the drop copy functionality.
Routing Intermediary Certification	\$5,000	

Livevol Fees		
Livevol Core X (LVCX)	Fee Per Month Per Login ID	Notes
Application Fees by Number of Login IDs	0 - 10	LVCX users may sublicense LVCX to customers.
	11 - 30	
	31 - 100	
	101 - 200	
	201 - 500	
	501 - 1,000	
	> 1,000	
Installation	Cboe Options actual costs passed through to user	Costs will be determined on a time and materials basis (per hour).

Trade Processing Services (Also applies to GTH)(37)		
Description	Fee	Notes
Matched Data	\$0.0025 per contract side	For billing purposes, fees will be rounded to the nearest \$0.01 using standard rounding rules on a monthly basis.

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Trading Permit Holder Application Fees			
Description	Fee	Notes	
Individual (Trading Permit Holder/Nominee)	\$3,000	Application fees related to a TPH organization's structural change are capped at \$10,000 (e.g. change from a limited partnership to a limited liability corporation). The Trading Permit Transfer Fee is capped at \$2,000 for a Trading Permit transfer request covering multiple Trading Permits.	
Joint Account (new joint account)	\$1,000		
Non-Trading Permit Holder Customer Business	\$3,000		
Order Service Firm	\$1,650		
Associated Person	\$500		
TPH Organization Application	\$5,000		
Renewal/Change of Status	\$500		
New Trading Permit Holder Orientation and Exam	\$500		
Subject to Statutory Disqualification	\$5,000		
Rule 19h-1 Change in Status	\$1,650		
Inactive Nominee Status (Per Quarter - Parking Space)	\$900		
Inactive Nominee Status	Submission before 4pm on the day prior to effective date		\$55
Change (Trading Permit Swap)	Submission after 4pm on the day prior to the effective date		\$110
	Submission after 8am on the effective date		\$220
Fingerprint Processing Fee	\$60		
Trading Permit Transfer Fee	\$500		
TPH Organization Renewal Fee	\$2,500		
Initial Proprietary Registration	\$65		
Annual Proprietary Registration	\$40		

Regulatory Fees				
Description	Fee	Notes		
Options Regulatory Fee ("ORF") (Also applies to GTH)(37)(46)	\$0.0045 per contract	The ORF is assessed by Cboe Options to each Trading Permit Holder for options transactions cleared by the Trading Permit Holder that are cleared by The Options Clearing Corporation (OCC) in the customer range, regardless of the exchange on which the transaction occurs. Cboe Options uses reports from OCC when assessing and collecting the ORF. The fee is collected by OCC on behalf of Cboe Options from the Clearing Trading Permit Holder (CTPH) or non-CTPH that ultimately clears the transaction. With respect to linkage transactions, Cboe Options reimburses its routing broker providing Routing Services pursuant to Cboe Options Rule 6.14B for options regulatory fees it incurs in connection with the Routing Services it provides.		
DPM's and Firm Designated Examining Authority Fee (Also applies to GTH)(37)	\$0.60 per \$1,000 of gross revenue	Subject to a monthly minimum fee of \$1,500 for clearing firms and \$400 for non-clearing firms – As reported on quarterly FOCUS Report, Form X-17A-5. Excludes commodity commission revenue.		
Trading Permit Holder Regulatory Fee	\$90 per permit per month	The Trading Permit Holder Regulatory Fee is non-refundable and is assessed through the integrated billing system during the first week of the following month. If a Trading Permit is issued during a calendar month after the first trading day of the month, the Trading Permit Holder Regulatory Fee for the Trading Permit for that calendar month is prorated based on the remaining trading days in the calendar month.		
The following fees will be collected and retained by FINRA via the Web CRDSM registration system for the registration of associated persons of Exchange Trading Permit Holder and TPH organizations that are not also FINRA members.				
Web CRD SM Fees	General Registration Fees		Fee	Notes
	FINRA Non-Member Processing Fee		\$100	For all Initial, Transfer, Relicense, Dual registration Form U-4 filings. This fee will also be generated upon re-filing to Web CRD SM of Cboe Options – only registered individuals.
	FINRA Disclosure Processing Fee (U-4, U-5, Form BD & amendments)		\$110	For all registration, transfer, or termination filings with new or amended disclosure information or that require certification as well as any amendment to disclosure information.
	FINRA Annual System Processing Fee Assessed only during Renewals		\$45	
	Fingerprint Processing Fees		Fee Per Card	
			Paper	Electronic
	Initial Submission		\$44.50	\$29.50
	Second Submission		\$30.00	\$15.00
	Third Submission		\$44.50	\$29.50
	Other		\$30.00	
			Submitted by Trading Permit Holders or TPH organizations on behalf of their associated persons who have had their prints processed through a self-regulatory organization ("SRO") other than FINRA.	
Continuing Education Fees		Fee		Notes
All Registration		\$55		
Qualification Examination Waiver Request Fee		\$200 per exam waiver request	This fee is assessed to a Trading Permit Holder for each waiver request of a non-FINRA examination (e.g., Series 56 examination) submitted by the Trading Permit Holder.	

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Regulatory Fees		
Description	Fee	Notes
Communication Review Fee	Regular Review	1) for printed material reviewed, \$150 per submission, plus \$25 for each page reviewed in excess of 5 pages; and 2) for video and audio media reviewed, \$150 per submission, plus \$25 per minute for each minute of tape reviewed in excess of 5 minutes.
	Expedited Review	1) for printed material reviewed, \$1,000 per submission, plus \$50 for each page reviewed in excess of 5 pages; and 2) for video and audio media reviewed, \$1,000 per submission, plus \$50 per minute for each minute of tape reviewed in excess of 5 minutes. Expedited review will be completed within five business days, not including the date the item is received by the Exchange, unless a shorter or longer period is agreed to by the Exchange. The Exchange may, in its sole discretion, refuse requests for expedited review.

Miscellaneous			
Description	Fee	Frequency	Notes
Trading Floor Printer Maintenance	\$75	Monthly	
Late Payment Penalty	prime rate	Monthly	Assessed to balances over 30 days old, per month, compounded
Market Maker Failure to Change Appointment or Failure to Meet In-Person Trading Requirements	\$250	Quarterly	Allowed 1 warning letter before fee
DPM requests for post modifications/equipment	Cboe Options costs passed-		
Crowd Space Dispute Resolution Hearing Fee	\$1,000	per hearing, per Trading Permit Holder	Fee is \$1,000 per hearing for each party to the dispute and will escalate under certain circumstances pursuant to Cboe Options Rule 24.21(e). After the hearing is held and all rights of appeal are exhausted, the prevailing party in dispute shall obtain a refund of the Hearing Fee from the Exchange.
Catastrophic Error Review Fee	\$5,000		Assessed only if, after a request for review with the Exchange of a potential Catastrophic Error, an Official determines that a Catastrophic Error has not occurred.

Exchange Data Reports			
Report Type	Description	Fee	Notes
C Level	Standard reports regularly generated and run by the Exchange and made available on a daily, weekly or monthly basis (for example, Monthly LP Scorecard, Daily Firm Report, etc.) that do not require historical data generation, customization beyond a standard format (PDF, HTML, etc.) or distribution frequency (daily, weekly, monthly, etc.), or specialized development.	\$0.00	
B Level	Initial report requests (or enhancements to existing subscriptions) that require less than one (1) man-hour to develop and/or generate.	\$0.00	Fees will be estimated in advance and such estimates will be provided to the requester. If the estimate changes once creation of the report begins, a revised estimate will be provided to the requester. Subscriptions to such reports will be provided at a cost of \$100 per month for monthly reports and \$200 per month for daily or weekly reports.
A Level	Initial report requests (or enhancements to existing subscriptions) that require one (1) or more man-hours to develop and/or generate.	\$100 for first 5 man-hours, \$100 per hour for each additional man-hour	

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Cboe Command Connectivity Charges (28) (Also applies to GTH)(37)			Assessed to TPHs and non-TPHs			
Description		Fee	Frequency	Notes		
Network Access Port (1 Gbps)		\$1,500	Monthly	Separate Network Access Port fees are assessed for unicast (orders, quotes) and multicast (market data) connectivity (i.e., if a TPH uses the 1 Gbps Network Access Port for unicast and multicast connectivity, the TPH will be charged \$3,000 per month.) If a TPH uses the same port for RTH and GTH, the TPH will not be charged twice for that port.		
Network Access Port (10 Gbps)		\$5,000	Monthly			
Network Access Port (1Gbps) (Disaster Recovery)		\$2,000	Monthly	Disaster Recovery Network Access Ports may be used to connect to the Disaster Recovery Systems of C2, Cboe BZX, Cboe BYX, Cboe EDGX, Cboe EDGA and CFE. Market participants will only be assessed a single fee for any Disaster Recovery Network Access Port that accesses these exchanges. If a market participant maintains two Disaster Recovery Network Access Ports of the same size in order to receive unicast and multicast connectivity, that market participant will only be assessed a single fee (e.g., if a TPH uses one 1 Gbps Disaster Recovery Network Access Port to receive only unicast traffic and one 1 Gbps Disaster Recovery Network Access Port to receive only multicast traffic, the TPH will be charged \$2,000 per month).		
Network Access Port (10 Gbps) (Disaster Recovery)		\$6,000	Monthly			
CMI Login ID		\$750	Monthly	CMI and FIX Login ID fees are waived for CMI and FIX Login IDs used to access the CFLEX system. Fees for a CMI and FIX Login ID will be waived through June 30, 2019, if the CMI and/or FIX Login ID is related to a waived GTH Trading Permit and/or waived Bandwidth Packet.		
FIX Login ID		\$750	Monthly			
Description	Fee	Frequency	Trading Permits	CAS Servers	Total CAS	Notes
Extra CMI CAS Server	\$10,000	Monthly	1 - 15	1 + 1 Backup	2	TPHs will receive CAS Servers based on the number of trading permits a TPH holds. The Exchange will aggregate the Trading Permits from affiliated TPHs (TPHs with at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A) for purposes of determining the number of Trading Permits a TPH holds.
			16 - 30	2 + 1 Backup	3	
			31 - 45	3 + 1 Backup	4	
			46 - 60	4 + 1 Backup	5	
			61 - 75	5 + 1 Backup	6	
			76 - 90	6 + 1 Backup	7	
91 +	7 + 1 Backup	8				
Extra CMI CAS Server - GTH (37)	\$10,000	Monthly		1 + Shared Backup		TPHs will receive one CAS Server and access to a pool of shared backup CAS Servers dedicated to GTH. Additional CAS Servers can be purchased for a monthly fee of \$10,000 per CAS.

Linkage Fees	
Origin	Notes
Customer	In addition to the customary Cboe Options execution charges, for each customer order that is routed, in whole or in part, to one or more exchanges in connection with the Options Order Protection and Locked/Crossed Market Plan referenced in Rule 6.80, Cboe Options shall pass through the actual transaction fee assessed by the exchange(s) to which the order was routed plus an additional \$0.15 per contract. Multiple orders from the same executing firm for itself or for a CMTA or correspondent firm in the same series on the same side of the market that are received within 500 milliseconds will be aggregated for purposes of determining the order quantity.
Non-Customer	For each non-customer order, including voluntary professionals and professionals, routed to one or more exchanges in connection with the Options Order Protection and Locked/Crossed Market Plan referenced in Rule 6.80, Cboe Options shall assess a \$0.70 per contract routing fee in addition to the customary Cboe Options execution charges.
Exception	Cboe Options will not pass through or otherwise charge customer orders (of any size) routed to other exchanges that were originally transmitted to the Exchange from the trading floor through an Exchange-sponsored terminal (e.g. a Floor Broker Workstation or PULSe Workstation).

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Stock Portion of Stock-Option Strategy Orders			
Description	Fee	Frequency	Notes
Stock Portion of Stock-Option Strategy Orders	\$0.0010	per share	The Exchange shall assess a fee of \$0.0010 per share for the stock portion, which Cboe Options must route to an outside venue, of stock-option orders executed via the Complex Order Auction ("COA"), the Complex Order Book ("COB"), AIM, SAM, and the splitting mechanism which is used for certain market orders pursuant to Interpretation .06(d) of Rule 6.53C. This fee applies in addition to the fees assessed by the outside venue to which the stock portion of the order is routed if an exchange destination is specified on the original order (with such fees to be passed on to the market participant). A maximum of \$50.00 per order will be assessed under this fee.

Trading Permit Holder Transaction Fee Policies and Rebate Programs (Also applies to GTH)(37)	
Description	Notes
Trading Permit Holder Transaction Fees - Index Options	All Trading Permit Holders are eligible to pay no higher than Clearing Trading Permit Holder proprietary transaction fees, unless an individual Trading Permit Holder is a nominee for a TPH organization and is not an employee of the TPH organization. An exception to the above is allowed if preponderance of a Clearing Trading Permit Holder's business is for customer activity rather than its own firm proprietary account. Trading Permit Holders who are eligible for Clearing Trading Permit Holder proprietary rates but were charged customer rates (e.g. non-OCC members) must submit a rebate request no later than 60 days after the month-end to which the trade relates.
Trading Permit Holder Transaction Fees - Equity and Index Options	Transaction fees are charged to the executing firm designated in Cboe Options trade match records. With regard to CMTA firm proprietary activity, the Exchange and the OCC permit the "F" origin code to designate firm proprietary activity. However, index customer transaction fees are assessed for index orders (excluding MNX) if the CMTA firm is not an Exchange Trading Permit Holder. In equities, QQQ and MNX options, the broker-dealer rate will be assessed.
Error Account Transactions	Error account transactions are eligible to receive market maker transaction fee rates. Clearing Trading Permit Holders and floor brokers are advised that the Exchange and the Options Clearing Corporation allow error account transactions to clear as market maker transactions, subject to applicable margin requirements. If a hardship exists in clearing the errors as market maker transactions, a rebate to market maker rates may be obtained by submitting a rebate request.
Clearing Trading Permit Holder Position Re-Assignment	Cboe Options will rebate assessed transaction fees to an executing Clearing Trading Permit Holder who, as a result of a trade adjustment on any business day following the original trade, re-assigns a position established by the initial trade to a different executing Clearing Trading Permit Holder. In such a circumstance, the Exchange will rebate, for the party for whom the position is being re-assigned, that party's transaction fees from the original transaction as well as the transaction in which the position is re-assigned. In all other circumstances, including corrective transactions, in which a transaction is adjusted on any day after the original trade date, regular Exchange fees will be assessed. In order to receive a rebate, a written request with all supporting documentation (trade detail regarding both the original and re-assigning trades) and a summary of the reasons for the re-assignment must be submitted within 60 days after the last day of the month in which the original transaction occurred.

Order Router Subsidy Program (29)			
Description	Origin Code	Subsidy Per Contract	Notes
ORS Program	C	\$0.00	Cboe Options may enter into subsidy arrangements with Trading Permit Holders ("TPHs") or broker-dealers that are not Cboe Options Trading Permit Holders ("Non-Cboe Options TPHs") that provide certain routing functionalities to other Cboe Options TPHs, Non-Cboe Options TPHs and/or use such functionalities themselves. Participating TPHs or participating Non-Cboe Options TPHs will receive a payment from Cboe Options for every executed contract (excluding those executed in AIM or as a QCC) for orders routed to Cboe Options through that participating Cboe Options TPH or Non-Cboe Options TPH's system to subsidize their costs associated with providing order routing functionalities.
	F J L M B N W	\$0.07	
		\$0.07	
Complex Order Router Subsidy Program (30)			
Description	Origin Code	Subsidy Per Contract	Notes
CORS Program	C	\$0.00	Cboe Options may enter into subsidy arrangements with Trading Permit Holders ("TPHs") or broker-dealers that are not Cboe Options Trading Permit Holders ("Non-Cboe Options TPHs") that provide certain complex order routing functionalities to other Cboe Options TPHs, Non-Cboe Options TPHs and/or use such functionalities themselves. Participating TPHs or participating Non-Cboe Options TPHs will receive a payment from Cboe Options for every executed contract (excluding those executed in AIM or as a QCC) for complex orders routed to Cboe Options through that participating Cboe Options TPH or Non-Cboe Options TPH's system to subsidize their costs associated with providing order routing functionalities.
	F J L M B N W	\$0.07	
		\$0.07	

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Frequent Trader Program								
Origin	Origin Code	Tier	VIX		SPX / SPXW		RUT	
			Monthly VIX Contracts Traded	VIX Fee Rebate	Monthly SPX/ SPXW Contracts Traded	SPX/ SPXW Fee Rebate	Monthly RUT Contracts Traded	RUT Fee Rebate
Customer/ Professional Customer/ Voluntary Professional	C W	1	10,000 - 99,999	5%	10,000 - 49,999	3%	10,000 - 24,999	10%
		2	100,000 - 299,999	15%	50,000 - 99,999	6%	25,000 - 49,999	15%
		3	300,000 and above	25%	100,000 and above	9%	50,000 and above	25%
Notes								
<p>Customers ("C" origin code) and Professional Customers and Voluntary Professionals ("W" origin code) (collectively "customers") can obtain a unique identification number ("Frequent Trader ID" or "FTID") which can be appended by executing agents to orders submitted to Cboe Options during both RTH and GTH for both manual and electronic execution. A "customer" for this purpose is a non-Trading Permit Holder, non-broker-dealer. A customer may obtain an FTID by registering for the program at the Frequent Trader Program website. Each customer is responsible for requesting that its executing agent(s) appends the customer's unique FTID to the customer's order(s). Executing agents however, will not be required by the Exchange to append FTIDs to orders, but may choose to do so voluntarily. The volume associated with each FTID will be aggregated to qualify for the tiers and fee rebates of customer transaction fees shown in the table. The highest achieved threshold rebate rate will apply from the first executed contract. The rebates will be based on the actual amount of fees assessed in accordance with the Fees Schedule (e.g., if a customer submits a VIX order for 30,000 contracts, that customer would be assessed fees for only the first 15,000 contracts under the Customer Large Trade Discount Program. Therefore, the customer's rebate would be based on the amount of the fees assessed for 15,000 contracts, not on the value of the total 30,000 contracts executed). The Exchange will disperse a customer's rebates pursuant to the customer's instructions, which may include receiving the rebates as a direct payment or via a distribution to one or more of its Clearing Trading Permit Holders. For trades for which volume should have been allocated to one or more FTIDs than were entered on the trade at the time of execution, an executing TPH may submit the Frequent Trader Program – Volume Corrections Form within 3 business days of the transaction(s) or add or modify FTID information on post-trade records using a Cboe Trade Match (CTM) terminal for changes on the trade date. The Frequent Trader Program – Volume Corrections Form or use of CTM to add FTIDs may not be used for orders executed prior to the customer registering for the Frequent Trader Program.</p>								

MSCI LMM Incentive Program										
Origin	Origin Code	Premium Level	Expiring		Near Term		Mid Term		Long Term	
			7 days or less		8 days to 60 days		61 days to 270 days		271 days or Greater	
			Width	Size	Width	Size	Width	Size	Width	Size
LMM	M	\$0.00 - \$5.00	\$3.00	5	\$1.50	20	\$2.50	15	\$5.00	10
		\$5.01 - \$15.00	\$6.00	3	\$3.00	15	\$5.00	10	\$10.00	7
		\$15.01 - \$50.00	\$15.00	2	\$7.50	10	\$10.00	7	\$20.00	5
		\$50.01 - \$100.00	\$25.00	1	\$15.00	7	\$20.00	5	\$30.00	3
		\$100.01 - \$200.00	\$40.00	1	\$25.00	3	\$35.00	3	\$48.00	2
		Greater than \$200.01	\$60.00	1	\$40.00	1	\$50.00	1	\$72.00	1
<p>For MXEA and MXEF, if the appointed LMM provides continuous electronic quotes during Regular Trading Hours that meet or exceed the above heightened quoting standards in at least 90% of the MXEA and MXEF series 80% of the time in a given month, the LMM will receive a payment for that month in the amount of \$40,000 per class for the month of February 2019, and \$20,000 per class, per month thereafter. The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. This program will be in place through June 30, 2019.</p>										

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Footnotes:	
Footnote Number	Description
1	Per contract side, including FLEX and binary options.
2	Please see Customer Large Trade Discounts table and footnote 27 for details of Customer Large Trade Discounts.
3	Trading Permit Holder transaction fee policies and rebate programs are described in the Trading Permit Holder Transaction Fee Policies and Rebate Programs table.
4	Transaction fees are charged to the Cboe Options executing firm on the input record.
5	Floor brokerage fees are charged to the executing broker. To be eligible for the discounted "crossed" rate, the executing broker acronym and executing firm number must be the same on both the buy and sell side of an order.
6	The marketing fee will be assessed only on transactions of Market-Makers (including DPMs and LMMs), resulting from (i) customer orders from payment accepting firms, or (ii) customer orders that have designated a DPM under Cboe Options Rule 8.80, a "Preferred Market-Maker" under Cboe Options Rule 8.13 or a "Lead Market-Maker" under Cboe Options Rule 8.15 (collectively "Preferred Market-Makers") at the per contract rate provided above on all classes of equity options, options on ETFs, options on ETNs and index options; except that the marketing fee shall not apply to Sector Indexes (47), DJX, MXEA, MXEF, MNX, NDX, XSP or Underlying Symbol List A (34) excluding binary options. The fee will not apply to: Market-Maker-to-Market-Maker transactions including transactions resulting from orders from non-Trading Permit Holder market-makers; transactions resulting from accommodation liquidations (cabinet trades); transactions in Flexible Exchange Options; transactions resulting from any of the strategies identified and/or defined in footnote 13 of this Fees Schedule (provided that a rebate request with supporting documentation is submitted to the Exchange within 3 business days of the transaction); transactions executed as a qualified contingent cross ("QCC") under Rule 6.53(u); and transactions in the Penny Pilot classes resulting from orders executed through the Hybrid Agency Liaison under Rule 6.14. A Preferred Market-Maker will be given access to the marketing fee funds generated from a Preferred order. Rebate/Carryover Process. If less than 80% of the marketing fee funds collected in a given month is paid out by the DPM or Preferred Market-Maker in a given month, then the Exchange would refund such surplus at the end of the month on a pro rata basis based upon contributions made by the Market-Makers in that month. However, if 80% or more of the funds collected in a given month is paid out by the DPM or Preferred Market-Maker, there will not be a rebate for that month unless the DPM or Preferred Market-Maker elects to have funds rebated. In the absence of such election, any excess funds will be included in an Excess Pool of funds to be used by the DPM or Preferred Market-Maker in subsequent months. The total balance of the Excess Pool of funds for a DPM or a Preferred Market-Maker cannot exceed \$100,000. If in any month the Excess Pool balance were to exceed \$100,000, the funds in excess of \$100,000 would be refunded on a pro rata basis based upon contributions made by the Market-Makers in that month. In addition, in any month, a DPM or a Preferred Market-Maker can elect to have any funds in its Excess Pool refunded on a pro rata basis based upon contributions made by the Market-Makers in that month. Each month, the Exchange assesses an administrative fee of .45% on the total amount of the funds collected each month; provided, however, that beginning on October 1, 2007, no Market-Maker would contribute more than 15% of the total amount of funds raised by the .45% administrative fee.
7	Any potential billing errors relating to fees assessed by Cboe Options must be brought to the attention of Cboe Options's Accounting Department within three months from the invoice date. All fees assessed shall be deemed final and non-refundable after three months from the invoice date. The Exchange is not precluded from assessing fees more than three months after they were incurred if those fees were required to be paid pursuant to the Cboe Options Fee Schedule in effect at the time the fees were incurred.
8	The Exchange will waive the transaction fee for public customer ("C" origin code) orders in all ETF and ETN options that are executed in open outcry or in the Automated Improvement Mechanism or as a QCC or as a FLEX Options transaction.
9	Notwithstanding Footnote 8 above, transaction fees are waived for customer orders providing liquidity and orders removing liquidity that are of 99 contracts or less in ETF and ETN options. Transaction fees will be assessed on customer orders that remove liquidity and that are of 100 contracts or more. Multiple orders from the same executing firm for itself or for a CMTA or correspondent firm in the same series on the same side of the market that are received by the Exchange within 500 milliseconds will be aggregated for purposes of determining the order quantity. The Exchange will charge any leg of a complex order in ETF and ETN options that is removing liquidity and equals or exceeds 100 contracts, even if the leg is only partially executed below the 100 contract threshold. The Taker fee applies to electronic volume only, but is not applied to the following: (i) trades on the open and (ii) QCC orders. The Taker fees would apply to the following volume: (i) volume resulting from a customer's orders and/or quotes removing other market participants' resting orders and/or quotes and (ii) volume resulting from a customer's primary orders in (i) unpaired auctions (i.e., Hybrid Agency Liaison ("HAL") and HAL on the Open ("HALO") and (ii) Complex Order Auction (COA)). The Maker fee waiver would apply to the following volume: (i) volume resulting from executions against a customer's resting orders and/or quotes and (ii) volume resulting from a customer's responses to auctions (i.e., HAL, HALO and COA responses).
10	The Liquidity Provider Sliding Scale applies to Liquidity Provider (Cboe Options Market-Maker, DPM and LMM) transaction fees in all products except Underlying Symbol List A (34) excluding binary options. A Liquidity Provider's standard per contract transaction fee shall be reduced to the fees shown on the sliding scale as the Liquidity Provider reaches the volume thresholds shown on the sliding scale in a month. The Exchange will aggregate the trading activity of separate Liquidity Provider firms for purposes of the sliding scale if there is at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A. A Liquidity Provider shall be required to prepay, by January 10th, \$2,400,000 in order to be eligible for the fees applicable to tiers 3 - 5 of the sliding scale for the entire year. A Liquidity Provider can elect to prepay \$200,000 per month to be eligible for the fees applicable to tiers 3 - 5 of the sliding scale for the remainder of the year at any time during the year, but such prepayment (and eligibility) will only be applied prospectively for the remainder of the year. A TPH that chooses, for example, in June 2014 to prepay for the remainder of the year would pay \$1,200,000 for the months of July-December. All prepay arrangements must be paid before the first calendar month in which they are to begin. Contract volume resulting from any of the strategies defined in Footnote 13 will apply towards reaching the sliding scale volume thresholds.
11	The Clearing Trading Permit Holder Fee Cap in all products except Underlying Symbol List A (34) excluding binary options (the "Fee Cap") and Sector Indexes (47), the Cboe Options Proprietary Products Sliding Scale for Clearing Trading Permit Holder Proprietary Orders (the "Proprietary Products Sliding Scale"), the Clearing Trading Permit Holder Proprietary VIX Sliding Scale (the "VIX Sliding Scale"), and the Supplemental VIX Total Firm Discount (the "Supplemental VIX Discount") apply to (i) Clearing Trading Permit Holder proprietary orders ("F" origin code), and (ii) orders of Non-Trading Permit Holder Affiliates of a Clearing Trading Permit Holder. A "Non-Trading Permit Holder Affiliate" for this purpose is a 100% wholly-owned affiliate or subsidiary of a Clearing Trading Permit Holder that is registered as a United States or foreign broker-dealer and that is not a Cboe Options Trading Permit Holder. Only proprietary orders of the Non-Trading Permit Holder Affiliate that clear through a Cboe Options-registered OCC clearing number(s) will be included in calculating the Fee Cap, Proprietary Products Sliding Scale, VIX Sliding Scale, and Supplemental VIX Discount. Such orders must be marked with a code approved by the Exchange identifying the orders as eligible for the Fee Cap, Proprietary Products Sliding Scale, VIX Sliding Scale, and Supplemental VIX Discount (i.e., "L" origin code). The Exchange will aggregate the fees and trading activity of separate Clearing Trading Permit Holders for the purposes of the Fee Cap, Proprietary Products Sliding Scale, VIX Sliding Scale, and Supplemental VIX Discount if there is at least 75% common ownership between the Clearing Trading Permit Holders as reflected on each Clearing Trading Permit Holder's Form BD, Schedule A. A Clearing Trading Permit Holder's fees and contracts executed pursuant to a CMTA agreement (i.e., executed by another clearing firm and then transferred to the Clearing Trading Permit Holder's account at the OCC) are aggregated with the Clearing Trading Permit Holder's non-CMTA fees and contracts for purposes of the Fee Cap, Proprietary Products Sliding Scale, VIX Sliding Scale, and Supplemental VIX Discount. The actual transaction fees resulting from any of the strategies defined in Footnote 13, after relevant caps are applied, will apply towards reaching the Fee Cap. However, contract volume from any such strategies for which the strategy cap is applied will not apply towards reaching the multi-list qualifying tiers for the Proprietary Products Sliding Scale. For facilitation orders (other than Sector Indexes (47) and Underlying Symbol List A (34) excluding binary options) executed in open outcry or as a CFLEX transaction, Cboe Options will assess no Clearing Trading Permit Holder Proprietary transaction fees. For facilitation orders for Sector Indexes (47) executed in open outcry, or electronically via AIM or as a QCC or CFLEX transaction, Cboe Options will assess no Clearing Trading Permit Holder Proprietary transaction fees through June 30, 2019. "Facilitation orders" for this purpose to be defined as any order in which a Clearing Trading Permit Holder (F) origin code or Non-Trading Permit Holder Affiliate ("L" origin code) is contra to any other origin code, provided the same executing broker and clearing firm are on both sides of the transaction (for open outcry) or both sides of a paired order (for orders executed electronically).
12	The Clearing Trading Permit Holder Proprietary Transaction Fee shall be waived for Clearing Trading Permit Holders executing facilitation orders in FLEX Options in all underlying symbols excluding Underlying Symbol List A (34) and Sector Indexes (47).

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Footnotes (Continued):	
Footnote Number	Description
13	Market-maker, Clearing Trading Permit Holder, JBO participant, broker-dealer and non-Trading Permit Holder market-maker transaction fees are capped at \$1,000 for all (i) merger strategies and (ii) short stock interest strategies and at \$700 for all reversals, conversions and jelly roll strategies executed on the same trading day in the same option class for options on equities, ETFs and ETNs. Such transaction fees for these strategies are further capped at \$25,000 per month per initiating Trading Permit Holder or TPH organization (excluding Clearing Trading Permit Holders). These surcharge fees will not be included in the calculation of the \$1,000 per day per class fee cap or the \$25,000 per month fee cap for merger and short stock interest strategies. A "merger strategy" is defined as transactions done to achieve a merger arbitrage involving the purchase, sale and exercise of options of the same class and expiration date, each executed prior to the date on which shareholders of record are required to elect their respective form of consideration, i.e., cash or stock. A "short stock interest strategy" is defined as transactions done to achieve a short stock interest arbitrage involving the purchase, sale and exercise of in-the-money options of the same class. A "reversal strategy" is established by combining a short security position with a short put and a long call position that shares the same strike and expiration. A "conversion strategy" is established by combining a long position in the underlying security with a long put and a short call position that shares the same strike and expiration. A "jelly roll strategy" is created by entering into two separate positions simultaneously. One position involves buying a put and selling a call with the same strike price and expiration. The second position involves selling a put and buying a call, with the same strike price, but with a different expiration from the first position. To qualify transactions for the cap, a rebate request with supporting documentation must be submitted to the Exchange within 3 business days of the transactions. Strategies tied to QCC orders will not be eligible to receive a strategy rebate.
14	The Surcharge Fees apply to all non-public customer transactions (i.e. Cboe Options and non-Trading Permit Holder market-maker, Clearing Trading Permit Holder, JBO participant, and broker-dealer), including voluntary professionals, and professionals.
15	If Cboe Options exclusively listed options are traded at Cboe Options's facility on a Back-up Exchange pursuant to Cboe Options Rule 6.16, the Back-up Exchange has agreed to apply the per contract and per contract side fees in this fee schedule to such transactions. If any other Cboe Options listed options are traded on the Back-up Exchange (such as Cboe Options singly listed options that are listed by the Back-up Exchange) pursuant to Cboe Options Rule 6.16, the fee schedule of the Back-up Exchange shall apply to such trades. If the exclusively listed options of a Disabled Exchange are traded on the Disabled Exchange's facility at Cboe Options pursuant to Cboe Options Rule 6.16, Cboe Options will apply the per contract and per contract side fees in the fee schedule of the Disabled Exchange to such transactions. If any other options classes of the Disabled Exchange are traded on Cboe Options (such as singly listed options of the Disabled Exchange) pursuant to Cboe Options Rule 6.16, the fees set forth in the Cboe Options fee schedule shall apply to such trades.
16	Broker-Dealer transaction fees apply to broker-dealer orders (orders with "B" origin code), non-Trading Permit Holder market-maker orders (orders with "N" origin code), orders from specialists in the underlying security (orders with "Y" origin code) and certain orders with "F" or "L" origin codes (i.e., orders from OCC numbers that are not from Cboe Options Trading Permit Holders or are not registered with the Exchange).
17	The CFLEX Surcharge Fee applies to all orders (all origin codes) executed electronically on the FLEX Hybrid Trading System (CFLEX). The CFLEX Surcharge Fee will only be charged up to the first 2,500 contracts per trade.
18	The AIM Contra Execution Fee applies to all orders (excluding facilitation orders, per footnote 11) in all products, except Sector Indexes (47) and Underlying Symbol List A (34) excluding binary options, executed in the Automated Improvement Mechanism ("AIM"), Solicitation Auction Mechanism ("SAM"), FLEX AIM and FLEX SAM auctions, that were initially entered as the contra party to an Agency/Primary Order. This fee will apply to such executions instead of the applicable standard transaction fee except if the applicable standard transaction fee is lower than \$.05 per contract, in which case the applicable standard transaction fee will apply. Applicable standard transaction fees will apply to AIM, SAM, FLEX AIM and FLEX SAM executions in Sector Indexes (47) and Underlying Symbol List A (34) excluding binary options.
19	The AIM Agency/Primary Fee applies to all broker-dealer, non-Trading Permit Holder market-maker, JBO participant, voluntary professional, and professional orders in all products, except VIX and volatility indexes, executed in AIM, SAM, FLEX AIM and FLEX SAM auctions, that were initially entered as an Agency/Primary Order. This fee will apply to such executions instead of the applicable standard transaction fee except in VIX and volatility indexes where standard transaction fees will apply.
20	The CFLEX AIM Response Fee applies to all broker-dealer and non-Trading Permit Holder market-maker responses in all FLEX products, except Sector Indexes (47) and Underlying Symbol List A (34) excluding binary options, executed in the FLEX AIM or FLEX SAM auctions. This fee will apply to such executions instead of the applicable standard transaction fee. Applicable standard transaction fees will apply to FLEX AIM and FLEX SAM response executions in Sector Indexes (47) and Underlying Symbol List A (34) excluding binary options.
21	All electronic executions in SPX and SPXW shall be assessed the SPX and SPXW Execution Surcharge, respectively, except that this fee shall not apply to: (i) orders in SPX or SPXW options in the SPX electronic book for those SPX or SPXW options that are executed during opening rotation on the final settlement date of VIX options and futures which have the expiration that contribute to the VIX settlement and (ii) orders executed by a floor broker using a PAR terminal. See also footnote 15.
22	For all non-facilitation business executed in AIM or open outcry, or as a QCC or FLEX transaction, transaction fees for Clearing Trading Permit Holder Proprietary and/or their Non-Trading Permit Holder Affiliates (as defined in footnote 11) in all products except Sector Indexes (47) and Underlying Symbol List A (34), excluding binary options, in the aggregate, are capped at \$75,000 per month per Clearing Trading Permit Holder. As Cboe Options assesses no Clearing Trading Permit Holder Proprietary transaction fees for facilitation orders (other than Underlying Symbol List A(34), excluding binary options) (as described in footnote 11), such trades will not count towards the cap. Surcharge fees do not count towards the cap.
23	A Market-Maker may designate an Order Flow Provider ("OFP") as its "Appointed OFP" and an OFP may designate a Market-Maker to be its "Appointed Market-Maker" for purposes of qualifying for credits under AVP. In order to effectuate the appointment, the parties would need to submit the Appointed Affiliate Form to the Exchange by 3:00 p.m. CST on the first business day of the month in order to be eligible to qualify for credits under AVP for that month. The Exchange will recognize only one such designation for each party once every calendar month, which designation will automatically renew each month until or unless the Exchange receives an email from either party indicating that the appointment has been terminated. A Market-Maker that has both an Affiliate OFP and Appointed OFP will only qualify based upon the volume of its Appointed OFP. The volume of an OFP that has both an Affiliate Market-Maker and Appointed Market-Maker will only count towards qualifying the Appointed Market-Maker.

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Footnotes (Continued):	
Footnote Number	Description
24	<p>The sliding scale will be available for all Market-Maker Trading Permits held by affiliated Trading Permit Holders and TPH Organizations that are used for appointments in any options classes other than RUT, SPX, VIX, OEX and XEO. Any Market-Maker Trading Permits used for these classes, whether in whole or in part, are excluded from this sliding scale and will be priced at \$5,000/month. To qualify for the rates set forth in Tiers 1 and 2 in the sliding scale, the applicable Trading Permit Holder(s) and/or TPH organization(s) must commit in advance to a specific tier that includes a minimum number of eligible Market-Maker Trading Permits through September 2019. To do so, a Market-Maker Trading Permit Holder must notify the Registration Services Department by December 29th (or the preceding business day if the 29th is not a business day) of the year prior to each year in which the Market Maker Trading Permit Holder would like to commit to this sliding scale of the Tier of eligible Market-Maker Trading Permits committed to by that Market-Maker Trading Permit Holder through September 2019. Market-Makers are not obligated to commit to either tier. However, the discounts will apply only to those that do commit to Tier 1 or Tier 2 through September 2019. Trading Permit Holders that are not eligible for and/or do not commit to Tier 1 or Tier 2 will pay the standard rate for each Market-Maker Trading Permit, regardless of the total number of Market-Maker Trading Permits used. If a Trading Permit Holder chooses to commit to either Tier 1 or Tier 2, that Trading Permit Holder will be responsible for the minimum number of permits in the commitment tier through September 2019. Even if a Trading Permit Holder does not maintain the minimum level of eligible Trading Permits in the tier, that Trading Permit Holder is still responsible for the minimum payment for that commitment tier through September 2019. For example, a Trading Permit Holder that commits to eleven eligible permits per month will be subject to a minimum monthly access fee of \$53,700 (10 x \$5,000 plus \$3,700 = \$53,700) through September 2019. Any additional Permits will increase the fee by the applicable amount. Trading Permit Holders will be able to commit to a higher tier of the sliding scale through September 2019, if the Trading Permit Holder obtains enough eligible Market-Maker Trading Permits and provides written notification to the Registration Services Department by the 25th day of the month preceding the month in which the higher tier will be effective (or the preceding business day if the 25th is not a business day). For example, a Trading Permit Holder may provide written notice to commit to Tier 1 effective July 1 through September 2019 as long as the Trading Permit Holder obtains enough eligible Trading Permits and provides written notice by June 25th that the Trading Permit Holder would like to participate in the sliding scale starting in July through September 2019. Even if that Trading Permit Holder subsequently falls below the minimum number of eligible Market-Maker Trading Permits (in the committed calendar year), for the committed tier, the Trading Permit Holder will remain responsible for paying for the tier minimum through September 2019. Trading Permit Holders will be responsible to pay for at least the minimum amount of eligible Market-Maker Trading Permits in the committed tier through September 2019 on a monthly basis unless the Trading Permit Holder entirely terminates as a Trading Permit Holder before September 2019. If a Trading Permit Holder combines, merges, or is acquired prior to September 2019, the surviving Trading Permit Holder will maintain responsibility for the committed number of eligible Market-Maker Trading Permits. If a Market-Maker affiliate ("affiliate" defined as having at least 75% common ownership between the two entities as reflected on each entity's Form BD, Schedule A) receives a credit under the Exchange's Volume Incentive Program ("VIP"), that Market-Maker will receive a credit on its Market-Maker Trading Permit fees corresponding to the VIP tier reached (10% Market-Maker Trading Permit fee credit for reaching Tier 2 of the VIP, 20% Market-Maker Trading Permit fee credit for reaching Tier 3 of the VIP, and 30% Market-Maker Trading Permit fee credit for reaching Tier 4 of the VIP). This credit will not apply to Market-Maker Trading Permits used for appointments in RUT, SPX, VIX, OEX and XEO.</p>
25	<p>The Floor Broker Trading Permit Sliding Scale will be available for all Floor Broker Trading Permits held by affiliated Trading Permit Holders and TPH organizations. To qualify for the rates set forth in Tiers 1 and 2 in the sliding scale, the applicable Trading Permit Holder(s) and/or TPH organization(s) must commit in advance to a specific tier that includes a minimum number of eligible Floor Broker Trading Permits through September 2019. To do so, a Floor Broker Trading Permit Holder must notify the Registration Services Department by December 29th (or the preceding business day if the 29th is not a business day) of the year prior to each year in which the Floor Broker Trading Permit Holder would like to commit to this sliding scale of the Tier of eligible Floor Broker Trading Permits committed to by that Floor Broker Trading Permit Holder through September 2019. Floor Brokers are not obligated to commit to either tier. However, the discounts will apply only to those that do commit to Tier 1 or Tier 2 through September 2019. Trading Permit Holders that are not eligible for and/or do not commit to Tier 1 or Tier 2 will pay the standard rate of \$9,000 for each Floor Broker Trading Permit, regardless of the total number of Floor Broker Trading Permits used. If a Trading Permit Holder chooses to commit to either Tier 1 or Tier 2, that Trading Permit Holder will be responsible for the minimum number of permits in the commitment tier through September 2019. Even if a Trading Permit Holder does not maintain the minimum level of eligible Trading Permits in the tier, that Trading Permit Holder is still responsible for the minimum payment for that commitment tier through September 2019. For example, a Trading Permit Holder that commits to eight eligible permits per month will be subject to a minimum monthly access fee of \$42,000 (1 at \$9,000 plus 6 at \$5,000 plus 1 at \$3,000 = \$42,000) through September 2019. Any additional Permits will increase the fee by the applicable amount. Trading Permit Holders will be able to commit to a higher tier of the sliding scale through September 2019, if the Trading Permit Holder obtains enough eligible Floor Broker Trading Permits and provides written notification to the Registration Services Department by the 25th day of the month preceding the month in which the higher tier will be effective (or the preceding business day if the 25th is not a business day). For example, a Trading Permit Holder may provide written notice to commit to Tier 1 effective July 1 through September 2019 as long as the Trading Permit Holder obtains enough eligible Trading Permits and provides written notice by June 25th that the Trading Permit Holder would like to participate in the sliding scale starting in July through September 2019. Even if that Trading Permit Holder subsequently falls below the minimum number of eligible Floor Broker Trading Permits (in the committed calendar year), for the committed tier, the Trading Permit Holder will remain responsible for paying for the tier minimum through September 2019. Trading Permit Holders will be responsible to pay for at least the minimum amount of eligible Floor Broker Trading Permits in the committed tier through September 2019 on a monthly basis unless the Trading Permit Holder entirely terminates as a Trading Permit Holder before September 2019. If a Trading Permit Holder combines, merges, or is acquired prior to September 2019, the surviving Trading Permit Holder will maintain responsibility for the committed number of eligible Floor Broker Trading Permits. Any Floor Broker Trading Permit Holder that executes an average of 15,000 customer and/or professional customer and voluntary professional open-outcry contracts per day over the course of a calendar month in all underlying symbols excluding Sector Indexes (47) and Underlying Symbol List A (except RLG, RLV, RUI, AWDE, FTEM, FXTM and UKXM)(34), DJX, XSP, XSPAM and subcabinet trades, will receive a rebate of \$9,000 on that Floor Broker Trading Permit Holder's Floor Broker Trading Permit fees. Any Floor Broker Trading Permit Holder that executes an average of 25,000 customer and/or professional customer and voluntary professional open-outcry contracts per day over the course of a calendar month in all underlying symbols excluding Sector Indexes (47) and Underlying Symbol List A (except RLG, RLV, RUI, AWDE, FTEM, FXTM and UKXM)(34), DJX, XSP, XSPAM and subcabinet trades, will receive a rebate of \$14,000 on that Floor Broker Trading Permit Holder's Floor Broker Trading Permit fees. For purposes of determining the rebate, the qualifying volume of all Floor Broker Trading Permit Holders affiliated with a single TPH organization will be aggregated, and, if such total meets or exceeds the customer and/or professional customer and voluntary professional open-outcry contracts per day thresholds in all underlying symbols excluding Sector Indexes (47) and Underlying Symbol List A (except RLG, RLV, RUI, AWDE, FTEM, FXTM and UKXM)(34), DJX, XSP and XSPAM and subcabinet trades that TPH organization will receive a single rebate, regardless of the number of Floor Broker Trading Permits affiliated with that TPH organization.</p>
26	<p>Trading Permit (for both RTH and GTH) and Tier Appointment fees are non-refundable and are assessed through the integrated billing system during the first week of the following month. If a RTH or GTH Trading Permit is issued during a calendar month after the first trading day of the month, the access fee for the Trading Permit for that calendar month is prorated based on the remaining trading days in the calendar month. RTH and GTH Trading Permits will be renewed automatically for the next month unless the Trading Permit Holder submits written notification to the Registration Services Department by 4:00 pm on the second-to-last business day of the prior month to cancel the Trading Permit effective at or prior to the end of the applicable month. If cancellation of a RTH or GTH Trading Permit is effective prior to the end of the applicable month, and the cancelling Trading Permit Holder later requests issuance of the same type of Trading Permit for the remainder of that month, the Exchange may issue the same type of Trading Permit (provided that a Trading Permit is available) but will not impose the additional prorated access fee for that month. Tier appointments will be renewed automatically for the next month unless the Trading Permit Holder submits written notification to the Market Quality Assurance & DPM Administration Department by the last business day of the prior month to cancel the tier appointment effective at or prior to the end of the applicable month. Affiliated TPHs (TPHs with at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A) may share their allotted bandwidth amongst each other.</p>

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Footnotes (Continued):	
Footnote Number	Description
27	A customer large trade discount program in the form of a cap on customer ("C" origin code) transaction fees is in effect for the options set forth in the Customer Large Trade Discount table. Floor brokerage fees are not subject to the cap on fees. Qualification of an order for the fee cap is based on the trade date and order ID on each order. For complex orders, the total contracts of an order (all legs by underlying symbol) are counted for purposes of calculating the fee cap. To qualify for the discount, the entire order quantity must be tied to a single order ID (unless the order is a complex order with a number of legs that exceeds system limitations) either within the Cboe Command system or PULSe or in the front end system used to enter and/or transmit the order (provided the Exchange is granted access to effectively audit such front end system) (the order must be entered in its entirety on one system so that the Exchange can clearly identify the total size of the order). For an order entered via PULSe or another front end system, or a complex order with multiple order IDs, a customer large trade discount request must be submitted to the Exchange within 3 business days of the transactions and must identify all necessary information, including the order ID and related trade details.
28	Monthly fees are assessed and applied in their entirety and are not prorated.
29	Any Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer would be permitted to avail itself of this arrangement, provided that its order routing functionality incorporates certain features and satisfies Cboe Options that it appears to be robust and reliable. To qualify for the subsidy arrangement, a Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer's order routing functionality has to: (i) enable the electronic routing of orders to all of the U.S. options exchanges, including Cboe Options; (ii) provide current consolidated market data from the U.S. options exchanges; and (iii) be capable of interfacing with Cboe Options's API to access current Cboe Options trade engine functionality. The routing system also needs to cause Cboe Options to be the default destination exchange for individually executed marketable non-customer orders if Cboe Options is at the national best bid or offer ("NBBO"), regardless of size or time, but allow any user to manually override Cboe Options as the default destination on an order-by-order basis. The order routing functionality is required to incorporate a function allowing orders at a specified price to be sent to multiple exchanges with a single click (a "sweep function") and the sweep function would need to be configured to cause an order to be sent to Cboe Options for up to the full size quoted by Cboe Options if Cboe Options is at the NBBO. Participating Cboe Options Trading Permit Holders and Non-Cboe Options Trading Permit Holders are solely responsible for implementing and operating its system. Cboe Options does not make payments under the program with respect to executed contracts in options classes included in Underlying Symbols List A (34), Sector Indexes (47), DJX, MXEA, MXEF, XSP or XSPAM or with respect to complex orders or spread orders. The Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer has to agree that they are not entitled to receive any other revenue for the use of its system, specifically with respect to orders routed to Cboe Options. Participating Cboe Options Trading Permit Holders and Non-Cboe Options Trading Permit Holders are not precluded, however, from receiving payment for order flow if they choose to do so. Nothing about the subsidy arrangement relieves any Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer that is using an order routing functionality whose provider is participating in the ORS Program from complying with its best execution obligations. Specifically, just as with any customer order and any other routing functionality, both a Cboe Options Trading Permit Holder and a non-Cboe Options Trading Permit Holder broker-dealer have an obligation to consider the availability of price improvement at various markets and whether routing a customer order through a functionality that incorporates the features described above would allow for access to such opportunities if readily available. Any user, whether or not a Cboe Options Trading Permit Holder, needs to conduct best execution evaluations on a regular basis, at a minimum quarterly, that include its use of any router incorporating the features described above.
30	Any Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer is permitted to avail itself of this arrangement, provided that its complex order routing functionality incorporates certain features and satisfies Cboe Options that it appears to be robust and reliable. To qualify for the subsidy arrangement, a Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer's order routing functionality has to: (i) be capable of interfacing with Cboe Options's API to access current Cboe Options trade engine functionality; (ii) cause Cboe Options to be the default destination exchange for non-customer complex orders, but allow any user to manually override Cboe Options as the default destination on an order-by-order basis; and (iii) provide current consolidated market data for complex orders from the U.S. options exchanges that offer complex order execution systems. In the event that a U.S. options exchange begins offering complex order execution systems after May 6, 2013, each participating Cboe Options Trading Permit Holder and Participating Non-Cboe Options Trading Permit Holder broker-dealer shall have forty-five (45) days from the date that system is first offered to include that exchange's market data for complex orders into the consolidated market data for complex orders provided by its order routing functionality. For purposes of the CORS Program, a "complex order" shall have the definition set forth in the first sentence of Cboe Options Rule 6.53C(a)(1). Each Participating Cboe Options Trading Permit Holder and Non-Cboe Options Trading Permit Holder is solely responsible for implementing and operating its system. Cboe Options does not make payments under the program with respect to executed contracts in options classes included in Underlying Symbols List A (34), Sector Indexes (47), DJX, MXEA, MXEF, XSP or XSPAM. The Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer has to agree that it is not entitled to receive any other revenue for the use of its system, specifically with respect to complex orders routed to Cboe Options. Participating Cboe Options Trading Permit Holders and Non-Cboe Options Trading Permit Holders are not precluded, however, from receiving payment for order flow if they choose to do so. Nothing about the subsidy arrangement relieves any Cboe Options Trading Permit Holder or Non-Cboe Options Trading Permit Holder broker-dealer that is using an order routing functionality whose provider is participating in the CORS Program from complying with its best execution obligations. Specifically, just as with any customer order and any other routing functionality, both a Cboe Options Trading Permit Holder and a non-Cboe Options Trading Permit Holder broker-dealer have an obligation to consider the availability of price improvement at various markets and whether routing a customer order through a functionality that incorporates the features described above would allow for access to such opportunities if readily available. Any user, whether or not a Cboe Options Trading Permit Holder, needs to conduct best execution evaluations on a regular basis, at a minimum quarterly, that include its use of any router incorporating the features described above.
31	The priority surcharge is assessed on customer (C) contracts executed in VIX. This surcharge applies to all customer contracts executed electronically that are Maker and not Market Turner. The priority surcharge is waived for all complex orders in VIX.
32	The Exchange will assess no transaction fees or surcharges for subcabinet trades (limit orders with a price of at least \$0 but less than \$1 per options contract, per Exchange Rule 6.54, Interpretation and Policy .03). Subcabinet trades will also not count towards any volume thresholds or volume threshold calculations.
33	PAR Official Fees apply to all orders executed by a PAR Official except for customer orders ("C" origin) that are not directly routed to the trading floor. PAR Official Fees are charged to the order originating firm unless the originating firm cannot be identified, in which case the fees are charged to the executing firm on the trade record. PAR Official Fees will be assessed based on the percentage of the order originating firm's, or as applicable, the executing firm's total monthly volume that is effected by a PAR Official during a calendar month in accordance with the tier schedules set forth above. The first tier schedule applies to activity in VIX and Volatility Index Options classes. The second tier schedule applies in all classes other than VIX and Volatility Index Options classes. The percentage will be calculated on a monthly basis by dividing the number of contracts executed by PAR Officials on behalf of the order originating firm or, as applicable, the executing firm, by the total number of contracts executed in open outcry (by or on behalf of the order originating firm or, as applicable, the executing firm) in classes where a PAR Official is available to execute orders ("PAR Official Classes"). Contracts in VIX and Volatility Index Options shall be calculated separately for purposes of determining the PAR Official Fees in VIX and Volatility Index Options in accordance with the tier schedule for PAR Official Fees in VIX and Volatility Index Options. For example, a Floor Broker Trading Permit Holder that does not conduct business in VIX and Volatility Index Options will be assessed \$.02 for all standard (non-cross) orders and \$.01 for all crossed orders (per side) executed by a PAR Official on behalf of the Floor Broker during a calendar month if 25.5% of the Floor Broker's total monthly (open outcry) volume in PAR Official Classes (excluding VIX and Volatility Index Options) is executed by a PAR Official (Tier 2). A Floor Broker Trading Permit Holder that only conducts business in VIX and Volatility Index Options classes will be assessed \$.06 for all standard (non-cross) orders and \$.03 for all crossed orders (per side) executed by a PAR Official on behalf of the Floor Broker during a calendar month if 25.5% of the Floor Broker's total monthly (open outcry) volume in VIX and Volatility Index Options classes is executed by a PAR Official (Tier 2).
34	Underlying Symbol List A: OEX, XEO, RUT, RLG, RLV, RUI, AWDE, FTSM, FXTM, UKXM, SPX (includes SPXw), VIX, VOLATILITY INDEXES and binary options.

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Footnotes (Continued):	
Footnote Number	Description
35	Per contract per side surcharge for noncustomer complex order executions that remove liquidity from the COB and auction responses in the Complex Order Auction ("COA") and the Automated Improvement Mechanism ("AIM") in all classes except Sector Indexes (47) and Underlying Symbol List A. The surcharge will not be assessed, however, on noncustomer complex order executions originating from a Floor Broker PAR, electronic executions against single leg markets, or for stock-option order executions. Auction responses in COA and AIM for noncustomer complex orders in Penny classes will be subject to a cap of \$0.50 per contract, which includes the applicable transaction fee, Complex Surcharge and Marketing Fee (if applicable).
36	The Exchange shall credit each Trading Permit Holder the per contract amount resulting from each public customer ("C" origin code) order transmitted by that Trading Permit Holder which is executed electronically on the Exchange in all underlying symbols excluding Underlying Symbol List A (34), Sector Indexes (47), DJX, MXEA, MXEF, MNX, NDX, XSP, XSPAM, QCC trades, public customer to public customer electronic complex order executions, and executions related to contracts that are routed to one or more exchanges in connection with the Options Order Protection and Locked/Crossed Market Plan referenced in Rule 6.80, provided the Trading Permit Holder meets certain percentage thresholds in a month as described in the Volume Incentive Program (VIP) table. This payment will be calculated from the first executed contract at the applicable threshold per contract credit. The percentage thresholds are calculated based on the percentage of national customer volume in all underlying symbols excluding Underlying Symbol List A (34), Sector Indexes (47), MXEA, MXEF, MNX, NDX, DJX, XSP and XSPAM entered and executed over the course of the month. Volume will be recorded for all include origins noted below and credits for customer contracts only will be delivered to the TPH Firm that enters the order into Cboe Command. The Exchange will aggregate the contracts resulting from customer, broker-dealer ("B" origin code), joint back-office ("J" origin code) and professional customer ("W" origin code) orders transmitted and executed electronically on the Exchange from affiliated Trading Permit Holders for purposes of the thresholds described in the VIP table, provided there is at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A. Additionally, the Exchange will aggregate all the contracts contained in any complex order (e.g., a 10 lot butterfly spread will count as 40 contracts). In the event of a Cboe Options System outage or other interruption of electronic trading on Cboe Options, the Exchange will adjust the national customer volume in all underlying symbols excluding Underlying Symbol List A (34), Sector Indexes (47), MXEA, MXEF, MNX, NDX, DJX, XSP and XSPAM for the duration of the outage. A Trading Permit Holder may request to receive its credit under the VIP as a separate direct payment.
37	Global Trading Hours ("GTH") is a separate trading session from Regular Trading Hours ("RTH") for VIX, SPX and SPXw. GTH commences at 2:00AM CST and terminates at 8:15AM CST, and is conducted on an all-electronic trading model with no open outcry capability. GTH is a segregated trading session from RTH, requiring separate access permits and connectivity than RTH, and there is no market interaction between the two sessions.
38	For VIX, if an LMM (1) provides continuous electronic quotes in at least the lesser of 99% of the non-adjusted series or 100% of the non-adjusted series minus one call-put pair in an GTH allocated class (excluding intra-day add-on series on the day during which such series are added for trading) during GTH in a given month and (2) enters opening quotes within five minutes of the initiation of an opening rotation in any series that is not open due to the lack of a quote, provided that the LMM will not be required to enter opening quotes in more than the same percentage of series set forth in clause (1) for at least 90% of the trading days during GTH in a given month, the LMM will receive a rebate for that month in the amount of a pro-rata share of a compensation pool equal to \$20,000 times the number of LMMs in that class (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month). For example, if three LMMs are appointed in VIX, a compensation pool will be established each month (assume appointment began at the beginning of the month for purposes of this example) totaling \$60,000. If each LMM meets the heightened continuous quoting standard in VIX during a month, each will receive \$20,000. If two LMMs meet the heightened continuous quoting standard in VIX during a month, those two LMMs would each receive \$30,000 and the third LMM would receive nothing. If only one LMM meets the heightened continuous quoting standard in VIX during a month, that LMM would receive \$60,000 and the other two would receive nothing. For SPX, an LMM will receive a rebate for that month in the amount of a pro-rata share of a compensation pool equal to \$30,000 times the number of LMMs in that class (or pro-rated amount if an appointment begins after the first trading day of the month or ends prior to the last trading day of the month) if the LMM: (1) provides continuous electronic quotes in at least the lesser of 99% of the non-adjusted series or 100% of the non-adjusted series minus one call-put pair in an GTH allocated class (excluding intraday add-on series on the day during which such series are added for trading) during GTH in a given month; (2) enters opening quotes within five minutes of the initiation of an opening rotation in any series that is not open due to the lack of a quote, provided that the LMM will not be required to enter opening quotes in more than the same percentage of series set forth in clause (1) for at least 90% of the trading days during GTH in a given month; and (3) satisfies the following timeweighted average quote widths and bid/ask sizes for each moneyness category: (A) out of the money options ("OTM"), average quote width of \$0.90 or less and average bid/ask size of 15 contracts or greater; (B) at the money options ("ATM"), average quote width of \$3.00 or less and bid/ask size of 10 contracts or greater; and C) in the money options ("ITM"), average quote width of \$10.00 or less and bid/ask size of 5 contracts or greater. In order to determine the timeweighted average quote widths and bid/ask sizes the Exchange will exclude 5% of the total quote time for all SPX series during the month in which the LMM was disseminating its widest quotes and smallest bid/ask sizes. Notwithstanding Rule 1.1(ccc), for purposes of Footnote 38, an LMM is deemed to have provided "continuous electronic quotes" if the LMM provides electronic two-sided quotes for 90% of the time during GTH in a given month. If a technical failure or limitation of a system of the Exchange prevents the LMM from maintaining, or prevents the LMM from communicating to the Exchange, timely and accurate electronic quotes in a class, the duration of such failure shall not be considered in determining whether the LMM has satisfied the 90% quoting standard with respect to that option class. The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances.
39	Each Trading Permit Holder is responsible for notifying the Exchange of all of its affiliates and is required to inform the Exchange immediately of any event that causes an entity to cease to be an affiliate in a form and manner to be determined by the Exchange. An "affiliate" is defined as having at least 75% common ownership between two entities as reflected on each entity's Form BD, Schedule A.
40	All transaction fees for RLG, RLV, RUI, AWDE, FTEM, FXTM and UKXM are waived through June 30, 2019.
41	The Exchange shall rebate transaction fees, including the Index License Surcharge, for SPX and SPXW transactions if the transaction: (i) involves a complex order with at least five (5) different series in S&P 500 Index (SPX) options, SPX Weeklys (SPXW) options, (ii) is a closing-only transaction or, if the transaction involves a Firm order (origin code "F"), is an opening transaction executed to facilitate a compression of option positions for a market-maker or joint-back office ("JBO") account executed as a cross pursuant to and in accordance with Cboe Options Rule 6.74(b) or (d); (iii) is a position with a required capital charge equal to the minimum capital charge under Option Clearing Corporation's ("OCC") rules RBH Calculator or is a position comprised of option series with a delta of ten (10) or less and (iv) is entered on any of the final three (3) trading days of any calendar month. The Exchange shall rebate transaction fees, including the Index License Surcharge, for closing transactions involving SPX and SPXW compression-list positions executed in a compression forum (pursuant to Rule 6.56). To receive either rebate, a rebate request with supporting documentation must be submitted to the Exchange within 3 business days of the transactions.
RESERVED	
43	The DPM appointed for an entire month in UKXM will receive a payment of \$5,000 per month through June 30, 2019.

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Footnotes (Continued):	
Footnote Number	Description
44	The Make Rate is derived from a Liquidity Provider's ("LP") electronic volume the previous month in all symbols excluding Underlying Symbol List A using the following formula: (i) the LP's total electronic automatic execution ("auto-ex") Maker volume (i.e., volume resulting from that LP's resting quotes or single sided quotes/orders that were executed by an incoming order or quote) divided by (ii) the LP's total auto-ex volume (i.e., volume that resulted from the LP's resting quotes/orders and volume that resulted from that LP's quotes/orders that removed liquidity). Trades on the open and complex orders will be excluded from the Make Rate calculation. The Exchange will aggregate the trading activity of separate Liquidity Provider firms for purposes of the adjustment table if there is at least 75% common ownership between the firms as reflected on each firm's Form BD, Schedule A. The Taker fees and Maker rebate apply to a LP's electronic volume only, but are not applied to the following: (i) trades on the open, (ii) QCC orders, (iii) complex orders, and (iv) original paired orders executed via an auction mechanism. The Taker fees would apply to the following volume: (i) volume resulting from a LP's orders and/or quotes removing other market participants' resting orders and/or quotes and (ii) volume resulting from a LP's primary orders in unpaired auctions (i.e., Hybrid Agency Liaison ("HAL") and HAL on the Open ("HALO")). Transactions in Penny classes would be subject to a cap of \$0.50 per contract, which includes the LP Sliding Scale transaction fee, Adjustment Table fee and Marketing Fee. The Maker rebate would apply to the following volume: (i) volume resulting from executions against a LP's resting orders and/or quotes and (ii) volume resulting from a LP's responses to auctions (i.e., Automated Improvement Mechanism ("AIM"), HAL, and/or HALO responses).
45	A large trade discount program in the form of a cap on Market-Maker, Broker-Dealer, Non-Trading Permit Holder Market-Maker, Professional/Voluntary Professional and Joint Back-Office ("M", "B", "N", "W" and "J" origin code) transaction fees is in effect for the options set forth in the Large Trade Discount table. Floor brokerage fees are not subject to the cap on fees. Qualification of an order for the fee cap is based on the trade date and order ID on each order. For complex orders, the total contracts of an order (all legs by underlying symbol) are counted for purposes of calculating the fee cap. To qualify for the discount, the entire order quantity must be tied to a single order ID (unless the order is a complex order with a number of legs that exceeds system limitations) either within the Cboe Command system or PULSe or in the front end system used to enter and/or transmit the order (provided the Exchange is granted access to effectively audit such front end system) (the order must be entered in its entirety on one system so that the Exchange can clearly identify the total size of the order). For an order entered via PULSe or another front end system, or a complex order with multiple order IDs, a large trade discount request must be submitted to the Exchange within 3 business days of the transactions and must identify all necessary information, including the order ID and related trade details.
46	Pursuant to Cboe Options Rule 15.1, solely for purposes of ORF billing, Trading Permit Holders must provide the Exchange with a complete list of its OCC clearing numbers and keep such information up to date with the Exchange.
47	Sector Index underlying symbols: IXB, SIXC, IXE, IXI, IXM, IXR, IXRE, IXT, IXU, IXV AND IXY. Corresponding option symbols: SIXB, SIXC, SIXE, SIXI, SIXM, SIXR, SIXRE, SIXT, SIXU, SIXV AND SIXY.
48	For purposes of this Program, "Retail" volume will be defined as Customer orders ("C" origin code) for which the original order size (in the case of a simple order) or largest leg size (in the case of a complex order) is 100 contracts or less). Additionally "Qualifying Classes" will be defined as SPX (including SPXW), VIX, RUT, MXEA, MXEF & XSP. To determine an Originating Firm's Qualifying Tier, the Originating Firm's total Retail volume in the Qualifying Classes will be divided by the Originating Firm's total Customer volume, Retail and non-Retail, in the Qualifying Classes. If an Originating Firm's Retail volume is between 20.00% and 69.99%, the Originating Firm will qualify for Tier B discounts. If an Originating Firm's Retail volume is at or above 70.00%, the Originating Firm will qualify for Tier A discounts. The Qualifying Tier that is applied in a given month is based on an Originating Firm's Retail volume in the prior month. For the Discount Tier, an Originating Firm's Retail volume in the Qualifying Classes will be divided by total Retail volume in the Qualifying Classes executed on the Exchange. The Clearing Trading Permit Holder that is billed for an Originating Firm's transactions under this program will receive the applicable discounts. If there is more than one Clearing Trading Permit Holder that is billed for an Originating Firm's transactions under this program, then the discounts will be applied on a pro rata basis.
49	For SPX, the Exchange may approve one or more Market-Makers to serve as an SPX Select Market-Maker ("SMM") in SPX for terms of at least one year in the Regular Trading Hours session. If an SPX SMM (1) provides continuous electronic quotes in 95% of all SPX series 90% of the time in a given month, (2) submits opening quotes that are no wider than the Opening Exchange Prescribed Width ("OEPW") within one minute of the initiation of an opening rotation in any series that is not open due to the lack of a qualifying quote, on all trading days, to ensure electronic quotes on the open that allow the series to open, (3) submits opening quotes that are no wider than the OEPW quote by 8:00 am (CT) on volatility index derivative settlement days in the SPX series that expire in the month used to calculate the settlement value for expiring volatility index derivatives and (4) within 30 minutes from the initiation of the end-of-month fair value closing rotation, the Exchange disseminates end-of-month closing quotations pursuant to Cboe Options Rule 6.2(.06)(a), the SPX SMM will receive one Market-Maker Trading Permit and one SPX Tier Appointment free of charge for that month. The Exchange may consider other exceptions to this quoting standard based on demonstrated legal or regulatory requirements or other mitigating circumstances. Various factors will be considered by the Exchange in selecting SPX SMMs, which include: adequacy of capital, experience in trading options, presence in the trading crowd, adherence to Exchange rules and ability to meet the heightened quoting obligations, described above. The Exchange may remove an SPX SMM on the basis of the failure of the SPX SMM to meet the heightened quoting obligations or any other applicable Exchange Rule. If an SPX SMM is removed or if for any reason an SPX SMM is no longer eligible for or resigns its appointment, the Exchange may appoint one or more interim SPX SMMs for the remainder of the term or shorter time period designated by the Exchange.