## Cboe Exchange, Inc. Fees Schedule - March 1, 2018

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Index Options Rate	e Table - All Index Products Excluding Underlying Symbol List A (34) and Sector									
	Indexes (47)		Transaction Fee Per Contract							
			Manual		Electronic		AIM Agency/Primary		CFLEX AIM	
	Origin		Penny Classes	Non-Penny Classes	Penny Classes	Non-Penny Classes	(19)	AIM Contra (18)	Response (20)	
	XSP, MXEA and MXEF Only				\$0.00				\$0.00	
Customer (2)	All Index Products Excluding Underlying Symbol List A (34) and Sector Indexes  (47)	С	c \$0.18						\$0.18	
	Clearing Trading Permit Holder Proprietary (11)(12)(16)		\$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)	FL			1	\$0.00				
	Cboe Options Market-Maker/DPM/LMM (10)(42)	М	See Liquidity Provider Sliding Scale and Liquidity Provider Sliding Scale Adjustment Table					le		
	Broker-Dealer (16)		\$0.25			\$0.75	\$0.20	\$0.07	\$0.25	
	Non-Trading Permit Holder Market Maker (16)				\$0.47				Ş0.23	
	Professional /Voluntary Professional /Joint Back-Office		\$0.12 W Origin Code Only						\$0.30	
Surcharge Fee (14)	Fee (14) DJX, MXEA and MXEF		\$0.10							
Index License	MNX and NDX	FJLMBNW			\$0.25					
CFLEX Surcharge Fee (17) - DJX, MXEA, MXEF and XSP Only		CFJLMBNW	\$0.10 (capped at \$250 per trade)							
Exotic Surcharge (42)		_	\$0.25							
Exotic Surcharge (42) - XSP Only		,	\$0.03							
	Complex Surcharge (35)	FJLMBNW	\$0.12							

	Specified Proprietary Index Options Rate Table - Underlying Symbol List A (34) and Sector Indexes  (47)(41) (Also applies to ETH)(37)		- Options Transaction Fees (1)(3)(4)(7)(15)(32)(39)							
		piles to Litin(37)			er Contract by Premium	VIX Only SPX (incl SPXw) in ETH Only				
Or	rigin	Products	Origin Code	\$0.00 - \$0.10	\$0.11 - \$0.99	\$1.00+	AIM Agency/Primary (19)	AIM Contra (18)		
		OEX and XEO				\$0.40	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
		OEX Weeklys, [and ]XEO Weeklys and Sector Indexes (47)				\$0.30				
Custo	omer (2)	RUT,RLG, RLV, RUI, AWDE, FTEM, FXTM and UKXM (40)	С			\$0.18				
		SPX (incl SPXW)		\$0.35		\$0.44		tes to Left		
		VIX and VOLATILITY INDEXES		\$0.10	\$0.25	\$0.45		tes to Left		
Clearing Trading Per	mit Holder Proprietary	Underlying Symbol List A (34)	FL	\$0.25 - See	e Cboe Options Clearing	Trading Permit Holder Pro	prietary Products Sliding Scal	es		
(11)(12	2)(16)(40)	Sector Indexes (47)	r L		<u>\$0.25</u>			tes to Left		
		SPX (incl SPXW)(41)			See SPX	Liquidity Provider Sliding S	Scale			
•	et-Maker/ DPM/LMM	RUT, RLG, RLV, RUI, AWDE, FTEM, FXTM, UKXM, OEX and XEO (40)	М	\$0.20						
(10)(38)(42)(43)		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) Broker-Dealer (16)(45) Non-Trading Permit Holder Market Maker (16)(45) Professional/Voluntary Professional (45)		OEX, XEO, SPX (incl SPXW), VIX,[ and] Volatility Indexes and Sector Indexes (47)	B N W J	\$0.40						
Broker-Dealer (16)  Non-Trading Permit Holder Market Maker (16)  Professional/Voluntary Professional/Joint Back- Office		RUT, RLG, RLV, RUI, AWDE, FTEM, FXTM and UKXM (40)		\$0.25 Manual and AIM/ \$0.65 non-AIM Electronic						
		RUT		\$0.45						
		SPX (incl SPXW) (41)		\$0.16						
Surcharge Fee (14) (Also applies to ETH)(37)	Index License (41)	OEX, RLG, RLV, RUI, AWDE, FTEM, FXTM, UKXM, XEO, VIX, [and ]VOLATILITY INDEXES (excluding GVZ, VXEEM, VXEWZ and OVX) and Sector Indexes [47][40]	FJLMBNW	\$0.10 (This surcharge is waived, through June 30, 2018, for Sector Indexes (47) and for origin codes F and L for VIX transactions where the VIX Premium is						
	Product Research & De	evelopment - GVZ, VXEEM, VXEWZ and OVX		\$0.10 and the related series has an expiration of seven (7) calendar days or less.)						
CFLEX Surcharge Fee (17)(40)		CFJLMBNW	\$0.10 (capped at \$250 per trade)							
Exotic Surcharge (42)		С	\$0.25							
	Hybrid 3.0 Execution Surcharge (SPX only) (15)(21)		CFJLBNW	\$0.21						
		0 ( ), ( ), (		\$0.10						
	harge (31) (Also applies to H)(37)	SPXW (electronic only)	С	\$0.00		\$0.10	\$0.20			

Liquidity Provider Sliding Scale (10)(32)							
Origin	Tier Volume Thresholds		Origin Code	Transaction Fee Per Contract	Notes		
	1	0.00% - 0.05%		\$0.23	Volume thresholds are based on total national Market-Maker volume in all		
Cboe Options	2	Above 0.05% - 0.80%		S0 17	underlying symbols excluding Underlying Symbol List A (34) during the		
Market-	3	Above 0.80% - 1.50%	М	S0 10	calendar month. Applies in all underlying symbols excluding Underlying		
Maker/DPM/LMM	4	Above 1.50% - 2.25%		50.05	Symbol List A (34).		
	5	Ahove 2.25%		\$0.03	Symbol List A (34).		

Liquidity Provider Sliding Scale Adjustment Table (44)							
		Make Rate	Origin Code	Maker Rebate		Taker Fee	
Origin	Performance Tier	(% Based on Prior Month)		Penny Classes	Non-Penny Classes	Penny Classes	Non-Penny Classes
	1	0% - 50%		\$0.00	\$0.00	\$0.05	\$0.10
Cboe Options	2	Above 50% - 60%		\$0.00	\$0.00	\$0.04	\$0.07
Market-	3	Above 60% - 75%	M	(\$0.01)	\$0.00	\$0.03	\$0.05
Maker/DPM/LMM	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		Percentage Thresholds of National Customer Volume in All Underlying Symbols Excluding Underlying Symbol List A (34), <u>Sector Indexes</u> (47), DJX, MXEA, MXEF, MNX, NDX, XSP and XSPAM (Monthly)	Origin Code	Per Contract Credit				
	Tier			Simple		Complex		
				Non-AIM	AIM	Non-AIM	AIM	

Order Router Subsidy Program (29) **Subsidy Per Contract** Description Origin Code Notes Cboe Options may enter into subsidy arrangements with Trading Permit Holders ("TPHs") or broker-dealers that are not Cboe Options Trading Permit Holders ("Nonc \$0.00 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) for \$0.07 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 **ORS Program FJLMBNW** ORS/CORS participants whose total aggregate non-customer ORS and CORS volume is greater than 0.25% of the total national volume (excluding volume in options \$0.07 classes included in Underlying Symbol List A, Sector Indexes (47), DJX, MXEA, MXEF, XSP or XSPAM) will receive an additional payment for all executed contracts exceeding that threshold during a calendar month. Complex Order Router Subsidy Program (30) Description Origin Code **Subsidy Per Contract** Notes Cboe Options may enter into subsidy arrangements with Trading Permit Holders ("TPHs") or broker-dealers that are not Cboe Options Trading Permit Holders ("Non-С \$0.00 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 \$0.07 in AIM) 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 **CORS Program** with providing order routing functionalities. **FJLMBNW** ORS/CORS participants whose total aggregate non-customer ORS and CORS volume is greater than 0.25% of the total national volume (excluding volume in options \$0.07 classes included in Underlying Symbol List A, Sector Indexes (47), DJX, MXEA, MXEF, XSP or XSPAM) will receive an additional payment for all executed contracts

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exceeding that threshold during a calendar month.

Footnotes:

Footnote Number

Description

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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 8.15 (collectively "Preferenced Market-Makers") at the per contract rate provided above on all classes of equity options, options on ETFs, options, options, options, options, options, options, options, options, options, options on ETFs, options, opti

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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 Orders ("F" origin code), and (ii) orders of Non-Trading Permit Holder Affiliate of this purpose is a 100% wholly-owned affiliate or Subsidiary of a Clearing Trading Permit Holder 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, VIX Sliding Scale, VIX 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, and Supplemental VIX Discount if there is at least 75% common ownership between the 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, 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 r

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).

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.

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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 in Sector Indexes (47) and Underlying Symbol List A (34) excluding binary options.

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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 Sector Indexes (47) and 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.

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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 for each calendar year. 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 for that year. 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 for the calendar year. 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 for the remainder of the calendar year. 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 for the remainder of the calendar year. 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) for that calendar year. 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 for the remainder of a calendar year, during a commitment year, 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 for the remainder of the calendar year 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 for the remainder of that calendar year. 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 for the remainder of the calendar year. Trading Permit Holders will be responsible to pay for at least the minimum amount of eligible Floor Broker Trading Permits in the committed tier for the calendar year on a monthly basis unless the Trading Permit Holder entirely terminates as a Trading Permit Holder during the year. If a Trading Permit Holder combines, merges, or is acquired during the course of the calendar year, 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 Holder 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.

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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'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 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, MXE

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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; (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 orders' 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), DIX, 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. P

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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).

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), DIX, 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, MXX, NDX, DIX, 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 Cobe Comman

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Sector Index underlying symbols: IXB, IXE, IXI, IXM, IXR, IXRE, IXT, IXU, IXV AND IXY. Corresponding option symbols: SIXB, SIXE, SIXI, SIXM, SIXRE, SIXT, SIXU, SIXV AND SIXY.

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