

**Cboe Exchange, Inc.**  
**Fees Schedule - December 1[2] 8, 2019**

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Market-Maker Tier Appointment Fees			
Symbol	Criteria	Monthly Fees (per unit)	Notes
SPX	MM Floor Permit executes any contracts in SPX/SPXW	\$3,000 per MM Floor Permit	
	Market-Maker EAP executes [any] <u>at least 1,000</u> contracts in SPX/SPXW	\$3,000 per TPH	The Market-Maker EAP SPX Tier Appointment fee will be assessed to any Market-Maker EAP that executes at least 1,000 contracts in SPX/SPXW, excluding contracts executed during opening rotation on the final settlement date of VIX options and futures which have the expiration that is used in the VIX settlement calculation.
VIX	MM Floor Permit executes at least 1,000 contracts in VIX	\$2,000 per MM Floor Permit	
	Market-Maker EAP executes at least 1,000 contracts in VIX	\$2,000 per TPH	
RUT	MM Floor Permit executes at least 1,000 contracts in RUT	\$1,000 per MM Floor Permit	
	Market-Maker EAP executes at least 1,000 contracts in RUT	\$1,000 per TPH	

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Routing Fees			
Capacity	Transaction Fee Per Contract	Description	Notes
Customer	{RD} \$0.33	Routed to AMEX, BOX, BX, EDGX, MERC, MIAH, PHLX, ≥ 100 contracts, ETF	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. <u>Cboe Options will not pass through or otherwise charge</u> 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 PULSe Workstation).
	{RE} \$0.15	Routed to AMEX, BOX, BX, EDGX, MERC, MIAH, PHLX, < 100 contracts ETF, Equity	
	{RF} \$0.83	Routed to ARCA, BZX, C2, ISE, GMNI, EMLD, PERL, NOMX, ≥ 100 contracts ETF, Penny	
	{RG} \$1.18	Routed to ARCA, BZX, C2, ISE, GMNI, EMLD, PERL, NOMX, ≥ 100 contracts ETF, Non-Penny	
	{RH} \$0.65	Routed to ARCA, BZX, C2, ISE, GMNI, EMLD, PERL, NOMX, <100 contracts ETF, Equity, Penny	
	{RI} \$1.00	Routed to ARCA, BZX, C2, ISE, GMNI, EMLD, PERL, NOMX, <100 contracts ETF, Equity, Non-Penny	
Non-Customer	{RJ} \$1.17	Routed, Penny	
	{RK} \$1.45	Routed, Non-Penny	

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Footnotes (Continued):	
Footnote Number	Description

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[49]RESERVED	[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 provides continuous electronic quotes in 99% of all SPX series 90% of the time in a given month the SPX SMM will receive \$8,000 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.]
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