



DATE: March 22, 2019

TO: MIAX Emerald Members

FROM: MIAX Emerald Regulatory Department

RE: Market for Underlying Security Used for Openings on MIAX Emerald for Newly Listed Option Symbols Effective Monday, March 25, 2019

The following symbols will start trading on MIAX Emerald beginning Monday, March 25, 2019, and, as set forth in MIAX Emerald Rule 503(d), MIAX Emerald shall use the exchange identified below as the “market for the underlying security” for purposes of Openings on the Exchange.

UNDERLYING SYMBOL	SECURITY NAME	OPTION SYMBOL	EXCHANGE FOR OPENING
AA	Alcoa Corporation	AA	NYSE
AABA	Altaba Inc.	AABA	NASDAQ
AAPL	Apple Inc.	AAPL	NASDAQ
ADI	Analog Devices, Inc.	ADI	NASDAQ
ADSK	Autodesk, Inc.	ADSK	NASDAQ
AGNC	AGNC Investment Corp.	AGNC	NASDAQ
ALGN	Align Technology, Inc.	ALGN	NASDAQ
AMD	Advanced Micro Devices, Inc.	AMD	NASDAQ
BABA	Alibaba Group Holding Ltd.	BABA	NYSE
BAC	Bank of America Corporation	BAC	NYSE
BB	BlackBerry Limited	BB	NYSE
BLK	BlackRock Inc.	BLK	NYSE
BSX	Boston Scientific Corporation	BSX	NYSE
BUD	Anheuser-Busch InBev SA	BUD	NYSE
CI	Cigna Corporation	CI	NYSE
CMG	Chipotle Mexican Grill, Inc.	CMG	NYSE
CRC	California Resources Corporation	CRC	NYSE
CTL	CenturyLink, Inc.	CTL	NYSE
CVE	Cenovus Energy Inc.	CVE	NYSE
CZR	Caesars Entertainment Corporation	CZR	NASDAQ
DE	Deere & Company	DE	NYSE
DISH	DISH Network Corporation	DISH	NASDAQ
EBAY	eBay Inc.	EBAY	NASDAQ
EEM	iShares MSCI Emerging Markets ETF	EEM	NYSE Arca
ESV	Enscopl	ESV	NYSE
ETFC	E*TRADE Financial Corporation	ETFC	NASDAQ



ETSY	Etsy, Inc.	ETSY	NASDAQ
EWJ	iShares MSCI Japan ETF	EWJ	NYSE Arca
F	Ford Motor Company	F	NYSE
FB	Facebook, Inc.	FB	NASDAQ
FEZ	SPDR EURO STOXX 50 ETF	FEZ	NYSE Arca
FOXA	(New) Fox Corporation-Class A	FOXA	NASDAQ
GDXJ	VanEck Vectors Junior Gold Miners ETF	GDXJ	NYSE Arca
GLD	SPDR Gold Shares	GLD	NYSE Arca
GOOGL	Alphabet Inc. Class A	GOOGL	NASDAQ
GPRO	GoPro, INC.	GPRO	NASDAQ
HCLP	Hi-Crush Partners LP	HCLP	NYSE
HYG	iShares iBoxx \$ High Yield Corp Bd ETF	HYG	NYSE Arca
IEF	iShares 7-10 Year Treasury Bond ETF	IEF	NASDAQ
IGT	International Game Technology PLC	IGT	NYSE
INTC	Intel Corporation	INTC	NASDAQ
IWM	iShares Russell 2000 ETF	IWM	NYSE Arca
JCP	J. C. Penney Company, Inc.	JCP	NYSE
JNPR	Juniper Networks, Inc.	JNPR	NYSE
JWN	Nordstrom, Inc.	JWN	NYSE
KBH	KB Home	KBH	NYSE
KMI	Kinder Morgan, Inc.	KMI	NYSE
KO	The Coca-Cola Company	KO	NYSE
LEN	Lennar Corporation	LEN	NYSE
M	Macy's, Inc.	M	NYSE
MAT	Mattel, Inc.	MAT	NASDAQ
MGM	MGM Resorts International	MGM	NYSE
MOS	The Mosaic Company	MOS	NYSE
MRO	Marathon Oil Corporation	MRO	NYSE
MU	Micron Technology, Inc.	MU	NASDAQ
NOK	Nokia Corporation	NOK	NYSE
NTNX	Nutanix, Inc.	NTNX	NASDAQ
NUE	Nucor Corporation	NUE	NYSE
PANW	Palo Alto Networks, Inc.	PANW	NYSE
PBR	Petróleo Brasileiro S.A. - Petrobras	PBR	NYSE
PCG	PG&E Corporation	PCG	NYSE
PZZA	Papa John's International, Inc.	PZZA	NASDAQ
QQQ	Invesco QQQ Trust	QQQ	NASDAQ
RF	Regions Financial Corporation	RF	NYSE
ROKU	Roku, Inc.	ROKU	NASDAQ
SBUX	Starbucks Corporation	SBUX	NASDAQ
SDS	ProShares UltraShort S&P500	SDS	NYSE Arca
SGMO	Sangamo Therapeutics, Inc.	SGMO	NASDAQ
SKX	Skechers U.S.A., Inc.	SKX	NYSE
SNE	Sony Corporation	SNE	NYSE



SQQQ	ProShares UltraPro Short QQQ	SQQQ	NASDAQ
SRPT	Sarepta Therapeutics, Inc.	SRPT	NASDAQ
T	AT&T, Inc.	T	NYSE
TBT	ProShares UltraShort 20+ Year Treasury	TBT	NYSE Arca
TLT	iShares 20+ Year Treasury Bond ETF	TLT	NASDAQ
TNA	Direxion Daily Small Cap Bull 3X ETF	TNA	NYSE Arca
TNDM	Tandem Diabetes Care, Inc.	TNDM	NASDAQ
TSLA	Tesla, Inc.	TSLA	NASDAQ
TZA	Direxion Daily Small Cap Bear 3X ETF	TZA	NYSE Arca
UNIT	Uniti Group Inc.	UNIT	NASDAQ
URI	United Rentals, Inc.	URI	NYSE
USB	U.S. Bancorp	USB	NYSE
USO	United States Oil	USO	NYSE Arca
VALE	VALE S.A.	VALE	NYSE
VIAB	Viacom Inc.	VIAB	NASDAQ
WLL	Whiting Petroleum Corporation	WLL	NYSE
WMT	Walmart Inc.	WMT	NYSE
WTW	Weight Watchers International, Inc.	WTW	NASDAQ
WY	Weyerhaeuser Company	WY	NYSE
XHB	SPDR S&P Homebuilders	XHB	NYSE Arca
XLF	Financial Select Sector SPDR ETF	XLF	NYSE Arca
XLK	Technology Select Sector SPDR ETF	XLK	NYSE Arca
XLP	Consumer Staples Select Sector SPDR ETF	XLP	NYSE Arca
XOP	SPDR S&P Oil & Gas Exploration & Prodrtn ETF	XOP	NYSE Arca
ZNGA	Zynga Inc.	ZNGA	NASDAQ

Regulatory questions may be directed to the MIAX Emerald Regulatory Department at Regulatory@MIAXOptions.com or (609) 897-7309.