

DATE: February 24, 2017

TO: MIAX PEARL Members

FROM: MIAX PEARL Regulatory Department

RE: Newly Listed Option Classes Included in the MIAX PEARL Penny Pilot Program as of February 27, 2017

The following option classes will be included in the MIAX PEARL Penny Pilot Program on Monday, February 27, 2017, as set forth in MIAX PEARL Rule 510, Minimum Price Variations and Minimum Trading Increments, section .01.

UNDERLYING SYMBOL	SECURITY NAME	OPTION SYMBOL
ABBV	ABBVIE, INC.	ABBV
ANF	ABERCROMBIE & FITCH COMPANY	ANF
ATVI	ACTIVISION BLIZZARD, INC.	ATVI
AEM	AGNICO-EAGLE MINES LIMITED	AEM
AKAM	AKAMAI TECHNOLOGIES, INC.	AKAM
BABA	ALIBABA GROUP HOLDING LIMITED	BABA
AGN	ALLERGAN PLC	AGN
MO	ALTRIA GROUP, INC.	MO
AIG	AMERICAN INTERNATIONAL GROUP, INC.	AIG
AAPL	APPLE, INC.	AAPL
ADM	ARCHER-DANIELS-MIDLAND COMPANY	ADM
ADSK	AUTODESK, INC.	ADSK
BHI	BAKER HUGHES, INC.	BHI
BAC	BANK OF AMERICA CORPORATION	BAC
BBBY	BED BATH & BEYOND, INC.	BBBY
BRKB	BERKSHIRE HATHAWAY, INC.	BRKB
BMJ	BRISTOL-MYERS SQUIBB COMPANY	BMJ
CAT	CATERPILLAR, INC.	CAT
CELG	CELGENE CORPORATION	CELG
CX	CEMEX, S.A.B. DE C.V.	CX
CF	CF INDUSTRIES HOLDINGS, INC.	CF
LNG	CHENIERE ENERGY, INC.	LNG
CHK	CHESAPEAKE ENERGY CORPORATION	CHK
CIT	CIT GROUP, INC.	CIT
CL	COLGATE-PALMOLIVE COMPANY	CL
CMA	COMERICA, INC.	CMA
CREE	CREE, INC.	CREE
FXE	CURRENCYSHARES EURO ETF	FXE

DHI	D.R. HORTON, INC.	DHI
DAL	DELTA AIR LINES, INC.	DAL
FAS	DIREXION DAILY FINANCIAL BULL 3X ETF	FAS
NUGT	DIREXION DAILY GOLD MINERS BULL 3X ETF	NUGT
TZA	DIREXION DAILY SMALL CAP BEAR 3X ETF	TZA
TNA	DIREXION DAILY SMALL CAP BULL 3X ETF	TNA
ETFC	E*TRADE FINANCIAL CORPORATION	ETFC
EBAY	EBAY, INC.	EBAY
ETE	ENERGY TRANSFER EQUITY, L.P.	ETE
ESRX	EXPRESS SCRIPTS HOLDING COMPANY	ESRX
XOM	EXXON MOBIL CORPORATION	XOM
FB	FACEBOOK, INC.	FB
FDX	FEDEX CORPORATION	FDX
FITB	FIFTH THIRD BANCORP	FITB
XLF	FINANCIAL SELECT SECTOR SPDR ETF	XLF
FCX	FREEPORT-MCMORAN, INC.	FCX
GFI	GOLD FIELDS LIMITED	GFI
GPRO	GOPRO, INC.	GPRO
HOG	HARLEY-DAVIDSON, INC.	HOG
HL	HECLA MINING COMPANY	HL
HES	HESS CORPORATION	HES
HON	HONEYWELL INTERNATIONAL, INC.	HON
HPQ	HP, INC.	HPQ
INTC	INTEL CORPORATION	INTC
VXX	IPATH S&P 500 VIX ST FUTURES ETN	VXX
TLT	ISHARES BARCLAYS 20+ YEAR TREASURY BOND	TLT
EWZ	ISHARES MSCI BRAZIL CAPPED INDEX	EWZ
EWY	ISHARES MSCI SOUTH KOREA CAPPED INDEX	EWY
SLV	ISHARES SILVER TRUST	SLV
JCP	J. C. PENNEY COMPANY, INC.	JCP
JNJ	JOHNSON & JOHNSON	JNJ
JNPR	JUNIPER NETWORKS, INC.	JNPR
KBH	KB HOME	KBH
KEY	KEYCORP	KEY
LVS	LAS VEGAS SANDS CORPORATION	LVS
LEN	LENNAR CORPORATION	LEN
LOW	LOWE'S COMPANIES, INC.	LOW
MNKD	MANKIND CORPORATION	MNKD
MDLZ	MONDELEZ INTERNATIONAL, INC.	MDLZ
NOK	NOKIA CORPORATION	NOK
NQ	NQ MOBILE, INC.	NQ
NVDA	NVIDIA CORPORATION	NVDA
ORCL	ORACLE CORPORATION	ORCL
P	PANDORA MEDIA, INC.	P
PYPL	PAYPAL HOLDINGS, INC.	PYPL

PBR	PETROLEO BRASILEIRO PETROBRAS S.A.	PBR
PFE	PFIZER, INC.	PFE
PM	PHILIP MORRIS INTERNATIONAL, INC.	PM
POT	POTASH CORPORATION OF SASKATCHEWAN, INC.	POT
UUP	POWERSHARES DB US DOLLAR BULLISH ETF	UUP
SVXY	PROSHARES SHORT VIX SHORT-TERM FUTURES	SVXY
PRU	PRUDENTIAL FINANCIAL, INC.	PRU
RTN	RAYTHEON COMPANY	RTN
RAD	RITE AID CORPORATION	RAD
SIRI	SIRIUS XM HOLDINGS, INC.	SIRI
XME	SPDR S&P METALS & MINING ETF	XME
KRE	SPDR S&P REGIONAL BANKING ETF	KRE
XRT	SPDR S&P RETAIL ETF	XRT
S	SPRINT CORPORATION	S
SPWR	SUNPOWER CORPORATION	SPWR
STI	SUNTRUST BANKS, INC.	STI
TSLA	TESLA, INC.	TSLA
TXN	TEXAS INSTRUMENTS, INC.	TXN
BK	THE BANK OF NEW YORK MELLON CORPORATION	BK
KO	THE COCA-COLA COMPANY	KO
GS	THE GOLDMAN SACHS GROUP, INC.	GS
HD	THE HOME DEPOT, INC.	HD
PG	THE PROCTER & GAMBLE COMPANY	PG
WMB	THE WILLIAMS COMPANIES, INC.	WMB
TIF	TIFFANY & COMPANY	TIF
TMUS	T-MOBILE US, INC.	TMUS
RIG	TRANSOCEAN, LTD.	RIG
TWTR	TWITTER, INC.	TWTR
UAL	UNITED CONTINENTAL HOLDINGS, INC.	UAL
UTX	UNITED TECHNOLOGIES CORPORATION	UTX
VRX	VALEANT PHARMACEUTICALS INTERNATIONAL, INC.	VRX
VLO	VALERO ENERGY CORPORATION	VLO
GDX	VANECK VECTORS GOLD MINERS ETF	GDX
OIH	VANECK VECTORS OIL SERVICES ETF	OIH
V	VISA, INC.	V
VOD	VODAFONE GROUP PLC	VOD
WBA	WALGREENS BOOTS ALLIANCE, INC.	WBA
WMT	WAL-MART STORES, INC.	WMT
WFT	WEATHERFORD INTERNATIONAL PLC	WFT
WFC	WELLS FARGO & COMPANY	WFC
WDC	WESTERN DIGITAL CORPORATION	WDC
WHR	WHIRLPOOL CORPORATION	WHR

PEARL Regulatory Circular
2017-30

DXJ	WISDOMTREE JAPAN HEDGED EQUITY FUND	DXJ
XLNX	XILINX, INC.	XLNX
AUY	YAMANA GOLD, INC.	AUY
ZNGA	ZYNGA, INC.	ZNGA

As part of the MIAX PEARL Penny Pilot Program select options may trade in \$.01 increments when priced below \$3.00. Options priced at \$3.00 and above will trade in \$.05 increments.

Please direct any questions to the Regulatory Department at Regulatory@MIAXOptions.com or (609) 897-7309.