

DATE: February 17, 2017

TO: MIAX PEARL Members

FROM: MIAX PEARL Regulatory Department

RE: Market for Underlying Security Used for Openings on MIAX PEARL for Newly Listed Option Classes Effective February 21, 2017

The following underlying symbols will start trading on MIAX PEARL on Tuesday, February 21, 2017, and, as set forth in MIAX PEARL Rule 503(a)(3), Market for the Underlying Security, MIAX PEARL 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
AAL	AMERICAN AIRLINES GROUP, INC.	AAL	NASDAQ
AAP	ADVANCE AUTO PARTS, INC.	AAP	NYSE
ABT	ABBOTT LABORATORIES	ABT	NYSE
ALXN	ALEXION PHARMACEUTICALS, INC.	ALXN	NASDAQ
AMD	ADVANCED MICRO DEVICES, INC.	AMD	NASDAQ
APC	ANADARKO PETROLEUM CORPORATION	APC	NYSE
AXP	AMERICAN EXPRESS COMPANY	AXP	NYSE
BA	THE BOEING COMPANY	BA	NYSE
BAX	BAXTER INTERNATIONAL, INC.	BAX	NYSE
BBRY	BLACKBERRY LTD.	BBRY	NASDAQ
BBY	BEST BUY COMPANY, INC.	BBY	NYSE
BHP	BHP BILLITON LTD.	BHP	NYSE
BUD	ANHEUSER-BUSCH INBEV SA/NV	BUD	NYSE
CBI	CHICAGO BRIDGE & IRON COMPANY NV	CBI	NYSE
CC	THE CHEMOURS COMPANY	CC	NYSE
CEMP	CEMPRA, INC.	CEMP	NASDAQ
CERN	CERNER CORPORATION	CERN	NASDAQ
CMG	CHIPOTLE MEXICAN GRILL, INC.	CMG	NYSE
CS	CREDIT SUISSE GROUP AG	CS	NYSE
CSX	CSX CORPORATION	CSX	NASDAQ
CYH	COMMUNITY HEALTH SYSTEMS, INC.	CYH	NYSE
DIA	SPDR DOW JONES INDUSTRIAL AVERAGE ETF	DIA	NYSE ARCA
DISH	DISH NETWORK CORPORATION	DISH	NASDAQ

DVAX	DYNAVAX TECHNOLOGIES CORPORATION	DVAX	NASDAQ
DVN	DEVON ENERGY CORPORATION	DVN	NYSE
EEM	ISHARES MSCI EMERGING MARKETS	EEM	NYSE ARCA
EGO	ELDORADO GOLD CORPORATION	EGO	NYSE
EMR	EMERSON ELECTRIC COMPANY	EMR	NYSE
ENDP	ENDO INTERNATIONAL PLC	ENDP	NASDAQ
EPD	ENTERPRISE PRODUCTS PARTNERS L.P.	EPD	NYSE
EWW	ISHARES MSCI MEXICO CAPPED	EWW	NYSE ARCA
FIT	FITBIT, INC.	FIT	NYSE
FTR	FRONTIER COMMUNICATIONS CORPORATION	FTR	NASDAQ
GD	GENERAL DYNAMICS CORPORATION	GD	NYSE
GIS	GENERAL MILLS, INC.	GIS	NYSE
GLD	SPDR GOLD SHARES	GLD	NYSE ARCA
GM	GENERAL MOTORS COMPANY	GM	NYSE
GNC	GNC HOLDINGS, INC.	GNC	NYSE
GNW	GENWORTH FINANCIAL, INC.	GNW	NYSE
GRPN	GROUPON, INC.	GRPN	NASDAQ
HAIN	THE HAIN CELESTIAL GROUP, INC.	HAIN	NASDAQ
HBAN	HUNTINGTON BANCSHARES, INC.	HBAN	NASDAQ
IBB	ISHARES NASDAQ BIOTECHNOLOGY	IBB	NASDAQ
IWM	ISHARES RUSSELL 2000	IWM	NYSE ARCA
JD	JD.COM, INC.	JD	NASDAQ
JNUG	DIREXION DAILY JR GLD MNRS BULL 3X ETF	JNUG	NYSE ARCA
JPM	JPMORGAN CHASE & COMPANY	JPM	NYSE
KSU	KANSAS CITY SOUTHERN	KSU	NYSE
LABU	DIREXION DAILY S&P BIOTECH BULL 3X ETF	LABU	NYSE ARCA
LC	LENDINGCLUB CORPORATION	LC	NYSE
LLY	ELI LILLY AND COMPANY	LLY	NYSE
LMT	LOCKHEED MARTIN CORPORATION	LMT	NYSE
LRCX	LAM RESEARCH CORPORATION	LRCX	NASDAQ
LULU	LULULEMON ATHLETICA, INC.	LULU	NASDAQ
LYB	LYONDELLBASELL INDUSTRIES NV	LYB	NYSE
MCD	MCDONALD'S CORPORATION	MCD	NYSE
MDT	MEDTRONIC PLC	MDT	NYSE
MET	METLIFE, INC.	MET	NYSE
MGM	MGM RESORTS INTERNATIONAL	MGM	NYSE
MMM	3M COMPANY	MMM	NYSE
MNST	MONSTER BEVERAGE CORPORATION	MNST	NASDAQ
NOV	NATIONAL OILWELL VARCO, INC.	NOV	NYSE
NSC	NORFOLK SOUTHERN CORPORATION	NSC	NYSE
OPHT	OPHTHOTECH CORPORATION	OPHT	NASDAQ

OPK	OPKO HEALTH, INC.	OPK	NASDAQ
PAA	PLAINS ALL AMERICAN PIPELINE, L.P.	PAA	NYSE
PEP	PEPSICO, INC.	PEP	NYSE
PSX	PHILLIPS 66	PSX	NYSE
QCOM	QUALCOMM INCORPORATED	QCOM	NASDAQ
QQQ	POWERSHARES QQQ ETF	QQQ	NASDAQ
RDSA	ROYAL DUTCH SHELL PLC	RDSA	NYSE
RF	REGIONS FINANCIAL CORPORATION	RF	NYSE
SBUX	STARBUCKS CORPORATION	SBUX	NASDAQ
SDRL	SEADRILL LTD.	SDRL	NYSE
SHLD	SEARS HOLDINGS CORPORATION	SHLD	NASDAQ
SKX	SKETCHERS USA, INC.	SKX	NYSE
SPXS	DIREXION DAILY S&P 500 BEAR 3X ETF	SPXS	NYSE ARCA
SRPT	SAREPTA THERAPEUTICS, INC.	SRPT	NASDAQ
STZ	CONSTELLATION BRANDS, INC.	STZ	NYSE
SWFT	SWIFT TRANSPORTATION COMPANY	SWFT	NYSE
SWN	SOUTHWESTERN ENERGY COMPANY	SWN	NYSE
TSL	TRINA SOLAR LTD.	TSL	NYSE
TV	GRUPO TELEVISIA, S.A.B.	TV	NYSE
TWLO	TWILIO, INC.	TWLO	NYSE
UA	UNDER ARMOUR, INC.	UA	NYSE
UNP	UNION PACIFIC CORPORATION	UNP	NYSE
USO	UNITED STATES OIL	USO	NYSE ARCA
VALE	VALE S.A.	VALE	NYSE
VIPS	VIPSHOP HOLDINGS LTD.	VIPS	NYSE
VMW	VMWARE, INC.	VMW	NYSE
WB	WEIBO CORPORATION	WB	NASDAQ
WFM	WHOLE FOODS MARKET, INC.	WFM	NASDAQ
WLL	WHITING PETROLEUM CORPORATION	WLL	NYSE
XHB	SPDR S&P HOMEBUILDERS ETF	XHB	NYSE ARCA
XLU	UTILITIES SELECT SECTOR SPDR ETF	XLU	NYSE ARCA
Z	ZILLOW GROUP, INC.	Z	NASDAQ

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