ber internal Use Only See Tile No. 9. OMB APPROVAL OMB Number 2013 000 See Tile No. 9. OMB APPROVAL OMB Number 2013 000 See Tile No. 9. See Ti		09	-IKUMPA)	
See File No. 9. and 4 copies OKB Parine 2335-050 Expression 30, 10, 2005 Expression 30, 200	For Internal Lise Only	Submit 1 Original		ล
Expires Addy 31, 200 Editational Section Control of the address of the section of the sectin of the section of		·		
HAR       Image: Construction of the second se	MOIPPIN	• • •		
HAR       LOU       Segurations on Exchange commission       13005239         Information Required of a Self-Regulatory Organization Listing and Traung a rev       13005239         Information Required of a Self-Regulatory Organization Listing and Traung a rev       13005239         Performed Self-Regulatory Organization Listing Report       13005239         Information Required of a Self-Regulatory Organization Listing Report       13005239         Information Required of a Self-Regulatory Organization Listing Report       13005239         Information Required of a Self-Regulatory Organization Listing Report       13005239         Information Required of a Self-Regulatory Organization Listing Report       13005239         Information Report       13005239         Name of Self-Regulatory Organization Listing New Derivative Securities Product:       13005239         Information Report LIC       13005239         O Class of New Derivative Securities Product:       13005239         PEX. LPX Listed Direct Private Equity Index       13005239         I'l Underlying Instrument is an Index, State Whether it is Broad-Based or Narrow-based:       13005239         I'l State Symbol(s) of New Derivative Securities Product:       13005239         'Naket or Markets Upon Which Securities Comprising Underlying Instrument Trades:       13005239         EX: AMEX, ARCA, NASDAQ, NYSE       130052300	WANGE COMMISSIO			
HAR       LUC       Seguration Exchange commission       13005239         Information Required of a Self-Regulatory Organization Listing and Traung a revi       13005239         Information Required of a Self-Regulatory Organization Listing and Traung a revi       13005239         Performed Self-Regulatory Organization Listing Report       13005239         Information Required of a Self-Regulatory Organization Listing Report       13005239         Information Required of a Self-Regulatory Organization Listing Report       13005239         Information Report       1411       1411         Information Report       15005239	EXCHANGE		hours per response 2.0	
HAR       LUC       Seguration Exchange commission       13005239         Information Required of a Self-Regulatory Organization Listing and Traung a revi       13005239         Information Required of a Self-Regulatory Organization Listing and Traung a revi       13005239         Performed Self-Regulatory Organization Listing Report       13005239         Information Required of a Self-Regulatory Organization Listing Report       13005239         Information Required of a Self-Regulatory Organization Listing Report       13005239         Information Report       1411       1411         Information Report       15005239	CECURITIES MILLION PORTURING			
Image: Contract of the second seco	SLO REAL 7 2013	UNITED STATES		
Derivative Securities Product Paramati to Kale Vi-6(0) Under the Securities Exchange Act of 1934 READ ALL INSTRUCTIONS PRIOR TO COMPLETING FORM Part I Initial Listing Report I. Name of Self-Regulatory Organization Listing New Derivative Securities Product: EDGA Exchange, Inc. C. Type of Issuer of New Derivative Securities Product (e.g., clearinghouse, broker-dealer, corporation, etc.): Problem Advisor LLC C. O. Class of New Derivative Securities Product (e.g., clearinghouse, broker-dealer, corporation, etc.): Problem Advisor LLC C. O. Class of New Derivative Securities Product: avestment Company Unit C. Class of New Derivative Securities Product: avestment Company Unit C. Class of New Derivative Securities Product: Avestment Company Unit C. Class of New Derivative Securities Product: EX: LPX Listed Direct Private Equity Index C. If Underlying Instrument is an Index, State Whether it is Broad-Based or Narrow-based: Tricker Symbol(s) of New Derivative Securities Product: EX: Market or Markets Upon Which Securities Comprising Underlying Instrument Trades: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodo	MAR	IES AND EXCHANGE COMMISSI		
Derivative Securities Product Paramati to Kale Vi-6(0) Under the Securities Exchange Act of 1934 READ ALL INSTRUCTIONS PRIOR TO COMPLETING FORM Part I Initial Listing Report I. Name of Self-Regulatory Organization Listing New Derivative Securities Product: EDGA Exchange, Inc. C. Type of Issuer of New Derivative Securities Product (e.g., clearinghouse, broker-dealer, corporation, etc.): Problem Advisor LLC C. O. Class of New Derivative Securities Product (e.g., clearinghouse, broker-dealer, corporation, etc.): Problem Advisor LLC C. O. Class of New Derivative Securities Product: avestment Company Unit C. Class of New Derivative Securities Product: avestment Company Unit C. Class of New Derivative Securities Product: Avestment Company Unit C. Class of New Derivative Securities Product: EX: LPX Listed Direct Private Equity Index C. If Underlying Instrument is an Index, State Whether it is Broad-Based or Narrow-based: Tricker Symbol(s) of New Derivative Securities Product: EX: Market or Markets Upon Which Securities Comprising Underlying Instrument Trades: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodo	IN A MARNETO	WASHINGTON, D.C. 20549		
Derivative Securities Product Paramati to Kale Vi-6(0) Under the Securities Exchange Act of 1934 READ ALL INSTRUCTIONS PRIOR TO COMPLETING FORM Part I Initial Listing Report I. Name of Self-Regulatory Organization Listing New Derivative Securities Product: EDGA Exchange, Inc. C. Type of Issuer of New Derivative Securities Product (e.g., clearinghouse, broker-dealer, corporation, etc.): Problem Advisor LLC C. O. Class of New Derivative Securities Product (e.g., clearinghouse, broker-dealer, corporation, etc.): Problem Advisor LLC C. O. Class of New Derivative Securities Product: avestment Company Unit C. Class of New Derivative Securities Product: avestment Company Unit C. Class of New Derivative Securities Product: Avestment Company Unit C. Class of New Derivative Securities Product: EX: LPX Listed Direct Private Equity Index C. If Underlying Instrument is an Index, State Whether it is Broad-Based or Narrow-based: Tricker Symbol(s) of New Derivative Securities Product: EX: Market or Markets Upon Which Securities Comprising Underlying Instrument Trades: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodo	TRADING C	AMENDED FORM 19b-4(e)		
Derivative Securities Product Paramati to Kale Vi-6(0) Under the Securities Exchange Act of 1934 READ ALL INSTRUCTIONS PRIOR TO COMPLETING FORM Part I Initial Listing Report I. Name of Self-Regulatory Organization Listing New Derivative Securities Product: EDGA Exchange, Inc. C. Type of Issuer of New Derivative Securities Product (e.g., clearinghouse, broker-dealer, corporation, etc.): Problem Advisor LLC C. O. Class of New Derivative Securities Product (e.g., clearinghouse, broker-dealer, corporation, etc.): Problem Advisor LLC C. O. Class of New Derivative Securities Product: avestment Company Unit C. Class of New Derivative Securities Product: avestment Company Unit C. Class of New Derivative Securities Product: Avestment Company Unit C. Class of New Derivative Securities Product: EX: LPX Listed Direct Private Equity Index C. If Underlying Instrument is an Index, State Whether it is Broad-Based or Narrow-based: Tricker Symbol(s) of New Derivative Securities Product: EX: Market or Markets Upon Which Securities Comprising Underlying Instrument Trades: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodology of New Derivative Securities Product: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, anderlying components may trade on additional exchanges in countries / regions not mentioned here,) Settlement Methodo	DWISION C.		13005239	
READ ALL INSTRUCTIONS PRIOR TO COMPLETING FORM         Initial Listing Report         Initial Listing Product:         Initial Listing Produ	Into mation Regulter of a c	Sell-Megalatory Of Banization Distilik	and Flading a New	
Part I       Initial Listing Report         1. Name of SelF-Regulatory Organization Listing New Derivative Securities Product:       DOA Exchange, Inc.         2. Type of Issuer of New Derivative Securities Product (e.g., clearinghouse, broker-dealer, corporation, etc.):       Problem Advisors LLC         0. Class of New Derivative Securities Product:       avestment Company Unit       Avestice Securities Product:         avestment Company Unit       Avestice Securities Product:       Avestice Securities Product:         b. Name of Underlying Instrument:       Pression Securities Product:       Avestice Securities Product:         b. If Underlying Instrument is an Index, State Whether it is Broad-Based or Narrow-based:       Intel advest referred to in item 4 above is Broad-Based         c. Ticker Symbol(s) of New Derivative Securities Product:       EX:         Market or Markets Upon Which Securities Comprising Underlying Instrument Trades:         EX: AMEX, ARCA, NASDAQ, NYSE         (Please note, underlying components may trade on additional exchanges in countries / regions not mentioned here.)         Settlement         Position Limits of New Derivative Securities Product:         *3, Payada Settlement         *10 Applicable):         et Applicable         Part II       Execution         *4 Applicable         Part II       Execution         *4 Applicable for Porm: <t< td=""><td></td><td></td><td></td><td>4</td></t<>				4
DDGA Exchange, Inc.         2. Type of Issuer of New Derivative Securities Product (e.g., clearinghouse, broker-dealer, corporation, etc.):         Torshare Advisor LLC         4. Class of New Derivative Securities Product:         avertment Company Unit         F. Name of Underlying Instrument:         PEX: LPX Listed Direct Private Equity Index         Ti Underlying Instrument is an Index, State Whether it is Broad-Based or Narrow-based:         he 1 Index referred to In item 4 above is Broad-Based         . Ti Clear Symbol(s) of New Derivative Securities Product:         EX:         . Market or Markets Upon Which Securities Comprising Underlying Instrument Trades:         EX: AMEX, ARCA, NASDAQ, NYSE         (Please note, underlying components may trade on additional exchanges in countries / regions not mentioned here.)         Settlement Methodology of New Derivative Securities Product:         43, Physical Settlement         Position Limits of New Derivative Securities Product:         44, Physical Settlement         Position Limits of New Derivative Securities Product:         45, Physical Settlement         Position Limits of New Derivative Securities Product:         46, Physical Settlement         Position Limits of New Derivative Securities Product:         46, Physical Settlement         Position Limits of New Derivative Securities Product:				-
2. Type of Issuer of New Derivative Securities Product (e.g., clearinghouse, broker-dealer, corporation, etc.): 7roShare Advisor LLC 7. Class of New Derivative Securities Product: avestment Company Unit 7. Name of Underlying Instrument: 7. Name of Underlying Instrument: 7. Name of Underlying Instrument is an Index, State Whether it is Broad-Based or Narrow-based: 7. If Underlying Instrument is an Index, State Whether it is Broad-Based or Narrow-based: 7. Ticker Symbol(s) of New Derivative Securities Product: 7. Anrket or Markets Upon Which Securities Product: 7. Market or Markets Upon Which Securities Comprising Underlying Instrument Trades: 7. Settlement Methodology of New Derivative Securities Product: 7. Settlement Methodology of New Derivative Securit	. Name of Self-Regulatory Organization Listing	New Derivative Securities Produ	ict:	1
ProShar Advisors LLC         9. Class of New Derivative Securities Product:         wertment Company Unit         4. Name of Underlying Instrument:         ************************************				4
		oduct (e.g., clearinghouse, broke	r-dealer, corporation, etc.):	
average in the second secon			·····	4
A Name of Underlying Instrument:  EX: LPX Listed Direct Private Equity Index  EX: LPX Listed Direct Private Equity Index  I f Underlying Instrument is an Index, State Whether it is Broad-Based or Narrow-based: he I Index referred to in item 4 above is Broad-Based Ticker Symbol(s) of New Derivative Securities Product: EX  Market or Markets Upon Which Securities Comprising Underlying Instrument Trades:  EX: AMEX, ARCA, NASDAQ, NYSE  (Please note, underlying components may trade on additional exchanges in countries / regions not mentioned here.)  Settlement Methodology of New Derivative Securities Product:  A Proved Settlement  Position Limits of New Derivative Securities Product:  Position Limits of New Derivative Securities Product (if applicable):  ot Applicable  Part II  Execution  he undersigned for, the listing and trading of the above-referenced Self-Regulatory Organization has daily approved, or has daily delegated its proval to the undersigned for, the listing standards.  ame of Official Responsible for Form: Ide:  General Counsel  clephone Number: 2015;24:24:24:25  August 2015;24:24:25  August 2015;24:24:25  August 2015;24:24:25  August 2015;24:24:25  August 2015;24:24:25  August 2015;24:25  August 2015;25:25  August 201				
				-
	+. Name of Onderlying insurment.			
The 1 Index referred to in item 4 above is Broad-Based         Ticker Symbol(s) of New Derivative Securities Product:         EX         Market or Markets Upon Which Securities Comprising Underlying Instrument Trades:         EX: AMEX, ARCA, NASDAQ, NYSE         (Please note, underlying components may trade on additional exchanges in countries / regions not mentioned here.)         Settlement Methodology of New Derivative Securities Product:         +3, Phytical Settlement         Position Limits of New Derivative Securities Product (if applicable):         ot Applicable         Part II         Execution         he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its oproval to the undersigned for, the listing and trading of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its oproval to the undersigned for, the listing and trading of the above-referenced self-Regulatory Organization has duly approved, or has duly delegated its oproval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, oxedures, surveillance programs and listing standards.         Iamual Signature of Official Responsible for Form:       Jeffrey S. Rosenstrock         Idee       (ACCULTING CONTING ACTOR)         Idee:       Yes         Maylin th 2013       192.4         Ituic       192.4				
i. Ticker Symbol(s) of New Derivative Securities Product: EX Market or Markets Upon Which Securities Comprising Underlying Instrument Trades: EX: AMEX, ARCA, NASDAQ, NYSE (Please note, underlying components may trade on additional exchanges in countries / regions not mentioned here.) Settlement Methodology of New Derivative Securities Product: 43, Physical Settlement Position Limits of New Derivative Securities Product (if applicable): ot Appleable Part II Exceution he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its proval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, coedures, surveillance programs and listing standards. Image of Official Responsible for Form: Include Securities Prome: Include Securities Prome: Include Securities Prome: Include Securities Promesed Include Securities Product (Include Securities Product according to its relevant trading rules, coedures, surveillance programs and listing standards. Image of Official Responsible for Form: Include Securities Promesed Include Secu	5. If Underlying Instrument is an Index, State Whe	ether it is Broad-Based or Narrow	w-based:	1
EX         . Market or Markets Upon Which Securities Comprising Underlying Instrument Trades:         EX: AMEX, ARCA, NASDAQ, NYSE         (Please note, underlying components may trade on additional exchanges in countries / regions not mentioned here.)         . Settlement Methodology of New Derivative Securities Product:         *3, Physical Settlement         . Position Limits of New Derivative Securities Product:         *3, Physical Settlement         . Position Limits of New Derivative Securities Product (if applicable):         ot Applicable         Part II         Execution         he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its proval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, coedures, surveillance programs and listing standards.         Iame of Official Responsible for Form:       Jeffrey S. Rosenstrock         itle:       General Counsel         elephone Number:       201 (1934)         Ianual Signature of Official Responsible for Form:       1934         Mark 1, 2013       195-4         Rule       195-4         Rule       195-4				
Market or Markets Upon Which Securities Comprising Underlying Instrument Trades:      (Please note, underlying components may trade on additional exchanges in countries / regions not mentioned here.)      Settlement Methodology of New Derivative Securities Product:      Position Limits of New Derivative Securities Product (if applicable):     of Applicable      Part II      Execution      he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its proval to the undersigned for, the listing and trading of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its proval to the undersigned for, the listing standards.  ame of Official Responsible for Form:     Jeffrey S. Rosenstrock itle:     General Counsel elephone Number:     204: 942-935 fanual Signature of Official Responsible for Form:     Marght: 42,2013     Securities ID::::::::::::::::::::::::::::::::::::		Product:		
EX: AMEX, ARCA, NASDAQ, NYSE  (Please note, underlying components may trade on additional exchanges in countries / regions not mentioned here.) . Settlement Methodology of New Derivative Securities Product: +3, Physical Settlement Position Limits of New Derivative Securities Product (if applicable): of Applicable Part II Execution he undersigned for, the listing and trading of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its proval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, surveillance programs and listing standards. Iame of Official Responsible for Form: Ide: General Counsel Lelephone Number: 2011-01-029-029- Iamual Signature of Official Responsible for Form: Implicit Statistics Implice Implicable Implice Imp			- 1	4
(Please note, underlying components may trade on additional exchanges in countries / regions not mentioned here.)         Settlement Methodology of New Derivative Securities Product:       +3, Physical Settlement         Position Limits of New Derivative Securities Product (if applicable):	7. Market or Markets Upon which Securities Com	iprising Underlying Instrument I	rades:	
(Please note, underlying components may trade on additional exchanges in countries / regions not mentioned here.)         Settlement Methodology of New Derivative Securities Product:       +3, Physical Settlement         Position Limits of New Derivative Securities Product (if applicable):				
(Please note, underlying components may trade on additional exchanges in countries / regions not mentioned here.)         Settlement Methodology of New Derivative Securities Product:       +3, Physical Settlement         Position Limits of New Derivative Securities Product (if applicable):				
Settlement Methodology of New Derivative Securities Product:         +3, Physical Settlement         Position Limits of New Derivative Securities Product (if applicable):         ot Applicable         Part II       Execution         he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its proval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, occedures, surveillance programs and listing standards.         Iame of Official Responsible for Form:       Jeffrey S. Rosenstrock         itle:       General Counsel         elephone Number:       201-91-8295         Ianual Signature of Official Responsible for Form:       Iffice         Maryle 4, 2013       190-4/(e)         Public       MAD	PEX: AMEX, ARCA, NASDAQ, NYSE			
Settlement Methodology of New Derivative Securities Product:         +3, Physical Settlement         Position Limits of New Derivative Securities Product (if applicable):         ot Applicable         Part II       Execution         he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its proval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, occedures, surveillance programs and listing standards.         Iame of Official Responsible for Form:       Jeffrey S. Rosenstrock         itle:       General Counsel         elephone Number:       201-91-8295         Ianual Signature of Official Responsible for Form:       Iffice         Maryle 4, 2013       190-4/(e)         Public       MAD				
Settlement Methodology of New Derivative Securities Product:         +3, Physical Settlement         Position Limits of New Derivative Securities Product (if applicable):         ot Applicable         Part II       Execution         he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its proval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, occedures, surveillance programs and listing standards.         Iame of Official Responsible for Form:       Jeffrey S. Rosenstrock         itle:       General Counsel         elephone Number:       201-91-8295         Ianual Signature of Official Responsible for Form:       Iffice         Maryle 4, 2013       190-4/(e)         Public       MAD				
+3, Physical Settlement         . Position Limits of New Derivative Securities Product (if applicable):         ot Applicable         Part II       Execution         he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its oproval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, occedures, surveillance programs and listing standards.         Iame of Official Responsible for Form:       Jeffrey S. Rosenstrock         itle:       General Counsel         elephone Number:       201 942 9995         Ianual Signature of Official Responsible for Form:       Jeffrey S. Rosenstrock         itle:       General Counsel         elephone Number:       201 942 9995         Ianual Signature of Official Responsible for Form:       Jeffrey S. Post         iate:       Maph: 4, 2013         IRtlic       195-4         IRtlic       195-4         IRtlic       195-4         IRtlic       195-4			ries / regions not mentioned here.)	
Position Limits of New Derivative Securities Product (if applicable):         ot Applicable         Part II         Execution         he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its oproval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, occedures, surveillance programs and listing standards.         Image:       Jeffrey S. Rosenstrock         Identified in the intervence of Official Responsible for Form:       Jeffrey S. Rosenstrock         Identified in the sponsible for Form:       20dt 942-9295         Identified Intervence of Official Responsible for Form:       1934         Manual Signature of Official Responsible for Form:       1934         March: 4: 2013       195-4         Public       MAD. 0.7.2000		urities Product:		
Interview of Applicable         Part II       Execution         he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its proval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, rocedures, surveillance programs and listing standards.         Image: and for the down of Official Responsible for Form:       Jeffrey S. Rosenstrock         Ide:       General Counsel         elephone Number:       201: 992-995         fanual Signature of Official Responsible for Form:       Image: Manual Signature of Official Responsible for Form:         March 1: # 2013       Image: Second test in the sec			· · · · · · · · · · · · · · · · · · ·	
Part II       Execution         he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its oproval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, rocedures, surveillance programs and listing standards.         Iame of Official Responsible for Form:       Jeffrey S. Rosenstrock         itle:       General Counsel         elephone Number:       201-912-9295         fanual Signature of Official Responsible for Form:       Image: Securities Employee Act of 1934         wate:       Mapple: 4, 2013         Mapple: 4, 2013       191-4         Rule       195-4         Rule       195-4         Rule       195-4         Rule       195-4		oduct (if applicable):		Į
he undersigned represents that the governing body of the above-referenced Self-Regulatory Organization has duly approved, or has duly delegated its oproval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, socedures, surveillance programs and listing standards. Iame of Official Responsible for Form: itle: General Counsel elephone Number: Ianual Signature of Official Responsible for Form: Martin 4, 2013 International Securities Exchange Act of 1934 Rule Public MARD, 0, 7, 2000		Execution		ł
proval to the undersigned for, the listing and trading of the above-referenced new derivative securities product according to its relevant trading rules, to cedures, surveillance programs and listing standards.  I ame of Official Responsible for Form: I ame of Official Responsible for Form: I anual Signature of Official Respon				
occedures, surveillance programs and listing standards.         Iame of Official Responsible for Form:         itle:       General Counsel         elephone Number:       201-919-8295         Ianual Signature of Official Responsible for Form:       1934         ate:       Maple 14, 2013         Rule       19b-4         Public       MAD, 0, 7, 2000				
Jame of Official Responsible for Form:       Jeffrey S. Rosenstrock         itle:       General Counsel         elephone Number:       201-942-9295         fanual Signature of Official Responsible for Form:       Securities Exchange Act of 1934         fate:       Margin: 4, 2013         Rule       195-4         Rule       195-4         Public       MAD, 0, 7, 2000		above-referenced new derivative securit	ties product according to its relevant trading rules,	
itle: General Counsel elephone Number: 20190295 fanual Signature of Official Responsible for Form: ate: March: 19b-4 Ruic 19b-4(e) Public MAD 0.7.2000	occurres, sur vemance programs and insung standards.			
elephone Number: fanual Signature of Official Responsible for Form: Pate: March: 195-4 Ruic 195-4(e) Public MAD 0.7.2000	ame of Official Responsible for Form:	Jeffrey	S. Rosenstrock	
Ianual Signature of Official Responsible for Form:     Securities Exchange Act of 1934       vate:     Margin: 4, 2013       Rule     196-4       Public     MAD. 0. 7, 2002				
Public MAD 0 7 2013				1021
Rule 19b-4(e) Public MAR 0.7.2002				1934
Rule 19b-4(e) Public MAD 0 7 2012	late:	March	4, 2013 19144	
Public MAD 0 7 2012		TRui I		
Availability: MAR U / 2013				
		Ava	ilability: MAR U / 2015	