New Account Agreement Instructions

For your account to be opened promptly and accurately, please provide the information requested on the form as outlined in the instructions below.

Step 1. Account Registration (check one)

Additional documentation may be required to open certain account types. Use the supplemental form to identify all participants and their respective roles in the account. Contact your investment professional for more information.

Steps 2. USA Patriot Act Information

These sections MUST be completed in order to establish the account.

Steps 3 - 4. Account Holder Information and Secondary Account Holder Information

The legal address MUST be a street address. A post office box is not acceptable for a legal address. A legal address is the account holder's permanent residence address or, in the case of an entity, the place where it maintains a physical presence. For those accounts opened for nonresident aliens and foreign entities, the legal address must be the same as the permanent residence address listed on IRS Form W-8BEN, W-8BENE or W-8IMY. You must provide annual income and net worth in the same manner. For instance, if the account is a joint account, and you are providing a combined annual income, you must also provide a combined net worth.

NOTE: To help the government fight the funding of terrorism and money laundering activities, federal law requires all financial organizations to obtain, verify, and record information that identifies each person who opens an account. When you open an account, we will ask for your name, address, date of birth, and other information that will allow us to identify you. We may also ask you to provide a copy of your driver's license or other identifying documents. The information you provide in this form may be used to perform a credit check and verify your identity by using internal sources and third-party vendors. If additional space is needed, attach a separate sheet.

Step 5. Objective and Investment Details

Use this section to provide details about your account objectives and investments. Account investment objectives are defined as follows:

Income - An investment approach by which an investor generally seeks current income over time.

Long-Term Growth – An investment approach by which an investor generally seeks capital appreciation through buying and holding securities over an extended period of time.

Short-Term Growth - An investment approach by which an investor generally seeks short-term capital gains through buying and selling securities over a short period of time.

Step 6. Additional Information

Use this section to provide additional information about your account.

Step 7. U.S. Taxpayer Number Certification

U.S. persons must sign the U.S. taxpayer certification built into the New Account Form. If the account is a JOINT account, you must provide the Social Security Number or the Taxpayer Identification Number of the individual whose name appears first. For custodial accounts, use the Social Security Number of the minor. If you are a nonresident alien or foreign entity, you should not sign the taxpayer certification included

in this form, and instead submit an IRS Form W-8BEN, W-8IMY or other appropriate W8 series forms with this application. Nonresident alien joint accounts require IRS Form W-8BEN for each account holder. The account holder's country of permanent residence is the country where the account holder claims to be a resident for purposes of that country's income tax. If a reduced rate of withholding is being claimed under an income tax treaty, residency must be determined in the manner required by the treaty. If the account holder does not have a tax residence in any country, the permanent residence is where the account holder normally resides (or maintains an office for accounts not owned by individuals). The primary account owner whose Social Security Number or Taxpayer Identification Number is used should sign the Taxpayer Certification on page 8.

Step 8. Signatures

Sign and date the form. The primary and secondary owners of a joint account must sign the form on page 9. Additional owners must sign the additional participant form. For a custodial account, only the custodian needs to sign.



New Account Agreement

OFFICE USE ONLY Account Number						
STEP 1. ACCOUNT RE	GISTRATION					
Retail (Select a type	e of retail account	below)				
TYPE OF ACCOUNT				ADDITIONAL DOCUMBE REQUIRED TO		
Individual			_	ACCOUNT TYPES. I		
Corporation				REQUESTED OR Y CANNOT BE VERIFIE BE ABLE TO OPEN A	D, WE MAY NOT	
☐ Joint Tenant				CARRY OUT TRANSAC IF YOU ALREADY HA	CTIONS FOR YOU.	
Limited Liability Company				WE MAY HAVE TO CLO	OSE IT.	
Power of Attorney			-			
Transfer on Death:						
Transfer on Death: Joint			_			
For Joint Accounts Onl	у					
Are the account holders married	I to each other?	Tenancy State		Number of Tenants		
☐ Yes ☐ No						
Tenancy Clause						
Community Property Tenants by Entirety		pperty with Rights o ith Rights of Surviv		Tenants in Common Usufruct (LA Residents only)		
STEP 2. USA PATRIC	T ACT INFORMA	ATION				
What is the initial source institution, please indicate	of funds for this acco	ount? If you are tra	nsferring assets fro	m another financial		
Accounts Receivable	Accumulated		mony	Gift		
Income From Earnings		_	urance Proceeds	☐ Investment Proceeds		
Legal Settlement	Lottery/Gami	_	nsion/IRA/Retirem			
Rollover	Rental Income		e of Business	Sales of Real Estate		
Spouse/Parent	Other					
55555, 1 415111					-	





New Account Agreement Account Number SPECIAL NOTE FOR NON-U.S. Disclosures Required Under the USA PATRIOT ACT ACCOUNTS: WITH RESPECT Is this account for a Foreign Financial Institution (e.g. non-U.S. bank; non-U.S. branch TO ASSETS CUSTODIED BY Yes No PERSHING ON YOUR BEHALF. of a U.S. bank; broker-dealer; futures merchant; commodities introducing broker; YOU ACKNOWLEDGE THAT mutual fund; money transmitter or currency exchanger)? INCOME AND CAPITAL GAINS Is this account a private banking account as defined under the USA PATRIOT Act? OR DISTRIBUTIONS TO YOU Yes FROM THIS ACCOUNT MAY Is this an account for a Foreign Bank as defined under the USA PATRIOT Act? Yes No BE TAXABLE IN YOUR HOME JURISDICTION AND/OR • If yes, is the bank a Central Bank? Yes No YOUR JURISDICTION OF TAX RESIDENCE IF DIFFERENT FROM • If yes, is this a Foreign Bank operating under an Offshore Banking License? Yes No YOUR HOME JURISDICTION. • If yes, is this a Foreign Bank operating under a banking license issued by a Non-Cooperative YOU ACKNOWLEDGE TO YOUR Yes No FINANCIAL ORGANIZATION AND Country or Territory? TO PERSHING THAT YOU HAVE If yes, is this a Foreign Bank operating under a banking license issued by a jurisdiction Yes No TAKEN YOUR OWN TAX ADVICE subject to Section 311 measures? IN THIS REGARD. If the answer to any of the three questions above is yes, how many people or entities IF NUMBER IS GREATER own 10% or more of the Bank (if its shares are not publicly traded THAN ZERO, A FOREIGN BANK BENEFICIAL Are you, or anyone with an interest in this account, currently or formerly, either (1) a senior Yes No OWNERSHIP FORM MUST military, governmental, or political official, or (2) closely associated with an immediate family ACCOMPANY THIS REQUEST. member of such an official? If yes, identify the name of the official, office held and country STEP 3. PRIMARY ACCOUNT HOLDER INFORMATION IF DISREGARDED **ENTITY, ENTER** INFORMATION FOR Social Security (SSN) Employee Identification Number (EIN) THE U.S. OWNER. Person Entity "SPECIFIED ADULT" Email Date of Birth Specified Adult SHALL MEAN: (A) A Yes __ No NATURAL PERSON Home Phone **Business Phone** Mobile Phone AGE 65 AND OLDER; OR (B) A NATURAL PERSON AGE 18 AND Legal Address (no P.O. box) **OLDER WHO THE** MEMBER REASONABLY State/Province Zip/Postal Code City **BELIEVES HAS A** MENTAL OR PHYSICAL **IMPAIRMENT THAT** Country RENDERS THE INDIVIDUAL UNABLE Mailing Address (if different from legal address) TO PROTECT HIS OR HER OWN INTERESTS. City State/Province Zip/Postal Code IF YOU WISH TO ADD A TRUSTED CONTACT. Country PLEASE COMPLETE THE TRUSTED CONTACT FORM. Additional Citizenship(s) Primary Citizenship(s) A COPY OF THE ID U.S. Resident Alien Country of Birth IS REQUIRED FOR Yes No EACH NON-U.S. PERSON AND FOR **U.S. CITIZENS LIVING** Gender **Marital Status** ABROAD, PROOF OF Divorced Domestic Partner | Male | Female Married ADDRESS MAY ALSO BE REQUIRED. **Dependents**

Number of Dependents

Occupation		Years Employed	Type of Busi	iness		
Employer Name						
Employer's Address						
City		State/Province	Zip/Postal (Code		
Country						
	e Extensive None					
	ence by Investment Type			INVESTMENT EXPERIEN		
Inowledge and Experion	ence by Investment Type	Extensive	None	INVESTMENT EXPERIENCE Since Year:		
INVESTMENT	ence by Investment Type INVESTMENT KNOWLEDGE	☐ Extensive	☐ None			
NVESTMENT Equities Exchange Traded Funds	ence by Investment Type INVESTMENT KNOWLEDGE Limited	+=		Since Year:		
INVESTMENT Equities	ence by Investment Type INVESTMENT KNOWLEDGE Limited Moderate Limited Moderate	Extensive	None	Since Year: Since Year:		

To \$

To \$

То \$

Check box if aggregated with other joint tenants.

Annual Income From \$

Liquid Net Worth From \$

From \$

Net Worth (excluding home)



New Account Agreement Account Number | **Unexpired Government Identification GOVERNMENT ISSUED GOVERNMENT PHOTO ID #1 GOVERNMENT PHOTO ID #2** UNEXPIRED PHOTO Type of Unexpired Photo ID Type of Unexpired Photo ID **IDENTIFICATION** SHOULD BE PROVIDED FOR ALL INDIVIDUALS ID Number **ID** Number THAT WERE NOT **VERIFIED USING** Country of Issue Country of Issue **NON-DOCUMENTARY** METHODS, AND FOR NON-RESIDENT State/Province/Subdivision of ID State/Province/Subdivision of ID ALIENS, ALONG WITH AN IRS FORM W-8BEN. Date of Issue Date of Expiration Date of Issue Date of Expiration **ID Verification Comments** Corporate/Business Information IF APPLICABLE. Corporate/Business ID Number Formation Date of Corporation/Business State/Province of Incorporation Country of Incorporation Legal Entity Identifier (LEI) Yes No Are you an employee of this broker-dealer? Are you related to an employee at this broker-dealer? Yes Employee Name Relationship Are you an employee of another broker-dealer? Yes No Broker-Dealer Name Are you related to an employee at another broker-dealer? Yes No Broker-Dealer Name Employee Name Relationship Are you maintaining any other brokerage accounts? Yes No With what firm(s) are you maintaining other brokerage accounts? Years of Investment Experience Are you or any member of your immediate family affiliated with or employed by a Yes No member of a stock exchange or the Financial Industry Regulatory Authority? Employer authorization is required. What is the affiliation?

Yes No

Company Name(s)

Are you a senior officer, director, or 10% or more shareholder of a public company?



New Account Agreement Account Number | | |-| STEP 4. SECONDARY ACCOUNT HOLDER INFORMATION "SPECIFIED ADULT" Name SHALL MEAN: (A) A NATURAL PERSON Social Security (SSN) Employee Identification Number (EIN) AGE 65 AND OLDER; Person Entity OR (B) A NATURAL PERSON AGE 18 AND Email Date of Birth Specified Adult OLDER WHO THE Yes No MEMBER REASONABLY Home Phone **Business Phone** Mobile Phone **BELIEVES HAS A** MENTAL OR PHYSICAL IMPAIRMENT THAT Legal Address (no P.O. box) RENDERS THE INDIVIDUAL UNABLE Zip/Postal Code City State/Province TO PROTECT HIS OR HER OWN INTERESTS. Country IF YOU WISH TO ADD A TRUSTED CONTACT, Mailing Address (if different from legal address) PLEASE COMPLETE THE TRUSTED CONTACT FORM. Zip/Postal Code City State/Province A COPY OF THE ID Country IS REQUIRED FOR EACH NON-U.S. PERSON AND FOR Primary Citizenship(s) Additional Citizenship(s) **U.S. CITIZENS LIVING** ABROAD. PROOF OF U.S. Resident Alien Country of Birth ADDRESS MAY ALSO Yes No BE REQUIRED. Gender **Marital Status** ☐ Male ☐ Female ☐ Divorced ☐ Domestic Partner ☐ Widowed Single Married **Dependents** Number of Dependents **Employment and Industry Affiliations** Employed Self-Employed Retired Unemployed Homemaker Student Years Employed Type of Business Occupation Employer Name

State/Province

General Investment Knowledge and Experience Limited Moderate Extensive None

Employer's Address

City

Country

Zip/Postal Code

New Account Agreement Account Number Knowledge and Experience by Investment Type INVESTMENT KNOWLEDGE INVESTMENT INVESTMENT EXPERIENCE Equities Limited Moderate Extensive None Since Year: Limited Moderate Extensive **Exchange Traded Funds** None Since Year: Limited Moderate Fixed Income Extensive None Since Year: Mutual Funds Limited Moderate Extensive None Since Year: Other: Limited Moderate Extensive None Since Year: **Financial Information Identify Verification Method Used** ☐ Internal Review (INRV) Annual Income From \$ To \$ Net Worth (excluding home) From \$ To \$ **Liquid Net Worth** From \$ To \$ **Unexpired Government Identification GOVERNMENT ISSUED GOVERNMENT PHOTO ID #1 GOVERNMENT PHOTO ID #2** UNEXPIRED PHOTO Type of Unexpired Photo ID Type of Unexpired Photo ID **IDENTIFICATION** SHOULD BE PROVIDED FOR ALL INDIVIDUALS ID Number ID Number THAT WERE NOT **VERIFIED USING** Country of Issue Country of Issue **NON-DOCUMENTARY** METHODS, AND FOR NON-RESIDENT State/Province/Subdivision of ID State/Province/Subdivision of ID ALIENS, ALONG WITH AN IRS FORM W-8BEN. Date of Issue Date of Expiration Date of Issue Date of Expiration **ID Verification Comments Corporate/Business Information** IF APPLICABLE. Corporate/Business ID Number Formation Date of Corporation/Business

Country of Incorporation

State/Province of Incorporation

Legal Entity Identifier (LEI)



New Account Ag	New Account Agreement Account Number								
Broker-Dealer Affiliatio	ons								
Are you an employee of th	is broker-dealer?				Yes	☐ No			
Are you related to an emp		Yes	□ No						
Employee Name	Relationship								
Are you an employee of ar	nother broker-dealer?				□ Vaa	□ Na			
Broker-Dealer Name	iother broker-dealer:				Yes	∐ No			
	loyee at another broker-dealer	1		T=	Yes	∐ No			
Broker-Dealer Name		Employee	Name	Relationshi	р				
Are you maintaining any o	ther brokerage accounts?				Yes	No			
With what firm(s) are you mainta	aining other brokerage accounts?		Years of Investment E	xperience					
	your immediate family affiliate ge or the Financial Industry Re				Yes	☐ No			
Employer authorization is require	d. What is the affiliation?								
Are you a senior officer, di	rector, or 10% or more shareho	lder of a	public company?		Yes	No			
Company Name(s)			· · · · · · · · · · · · · · · · · · ·						
Additional Holder/Particip FinCen Certification FinCEN Certification Form Signed	ant Information Supplement si	Certificati	on Date		∐ Yes				
D ::: 11 111 E: CENIC ::	· 								
Position Held by FinCEN Certifier									
Specified Adult If this account has an account holder that is considered a specified adult, are there Trusted									
Other Investments		0.0							
INVESTMENT	INVESTMENT VALUE		INVESTMENT		INVESTMEN	T VALUE			
Equities	Value \$		Fixed Annuities		Value \$				
Options	Value \$		Precious Metals		Value \$				
Fixed Income	Value \$		Commodities and	Futures	Value \$				
Mutual Funds	Value \$		Other:		Value \$				
Exchange-Traded Funds	nds Value \$ Other:								

Other:

Value \$

Value \$

Variable Annuities



	New Account Agreement	Account Nu	mber						
ı	Investment Time Horizon and Liquidity Needs								
	Time Horizon Liquidity Needs High	Medium	Low						
	STEP 6. ADDITIONAL INFORMATION								
	Electronic Delivery Are you interested in electronic delivery of brokerage documents (for example, account statements and/or trade confirmations) for the statements and the statements are confirmations.	his account?		Yes	☐ No	CON ID A	ES, PLEASE MPLETE A U ND E-DELIV UEST FORM	/ERY	

Taxpayer Certification

Under penalties of perjury, I certify that:

- 1. The number shown on this form in Step 3 is my correct Social Security Number or Taxpayer Identification Number (or I am waiting for a number to be issued to me);
- 2. I am not subject to backup withholding because (a) I am exempt from backup withholding or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- 3. I am a U.S. citizen or other U.S. person (defined below); and

STEP 7. U.S. TAXPAYER NUMBER CERTIFICATION

4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions.

You must cross out Item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. If you are an exempt payee (if you are unsure, ask us for a complete set of IRS instructions), enter your exempt payee code (if any) here:

If you are exempt from FATCA reporting (if you are unsure, ask us for a complete set of IRS instructions), enter your exemption from FATCA reporting code (if any) here:

Definition of a U.S. person.

For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7)

THIS SECTION IS NOT TO BE USED BY NON-U.S. PERSON (SEE DEFINITION OF U.S. PERSON BELOW).

New Account Agreement	Account Number	
STEP 8. SIGNATURES		
The Internal Revenue Service does not require yo certifications required to avoid backup withholdin	our consent to any provision of this document other than the g.	•
	EEMENT CONTAINS A PREDISPUTE ARBITRATION CLAUSE, ND 11. I HEREBY ACKNOWLEDGE RECEIPT OF THIS NEW BITRATION CLAUSE THEREIN.	
Primary Account Holder or Entity Authorized	Person	
Print Name	Date	PLEASE REVIEW YOUR INFORMATION, READ THE AGREEMENT ON
Signature X		PAGES 10 AND 11, AND SIGN HERE. KEEP A COPY FOR YOUR RECORDS.
Secondary Account Holder (if applicable)		
Print Name	Date — —	
Signature		DANCO DO DDACH
X		BANCO DO BRASIL SECURITIES ("BBS") IS A MEMBER OF , SIPC AND NFA. BBS IS AN
For Broker-Dealer Use Only Accepted: Inve	stment professional is registered in the state of client's residence.	INTRODUCING BROKER
Investment Professional Printed Name	Principal Printed Name	CLEARING THROUGH PERSHING ON A FULLY DISCLOSED BASIS.
Date - - Signature	Date	
X	X	



Account Number _______

TO: FINANCIAL ORGANIZATION AND ITS ASSIGNS

1. Provisions in the Event of Failure to Pay or Deliver

Whenever I (we) do not, on or before the settlement date, pay in full for any security purchased for my (our) account, or deliver any security sold for such account, you are authorized (subject to the provisions of any applicable statute, rule, or regulation):

(A) Until payment or delivery is made in full, to pledge, repledge, hypothecate, or rehypothecate, without notice, any or all securities which you or your clearing agent may hold for me (either individually or jointly with others), separately or in common with other securities or commodities or any other property, for the sum then due or for a greater or lesser sum and without retaining in your possession and control for delivery a like amount of similar securities.

(B) To sell any or all securities which you or your clearing agent may hold for me (either individually or jointly with others), to buy in any or all securities required to make delivery for my (our) account, or to cancel any or all outstanding orders or commitments for my (our) account.

2. Cancellation Provisions

You are authorized, in your discretion, should I (we) die or should you for any reason whatever deem it necessary for your protection, without notice, to cancel any outstanding orders in order to close out my (our) accounts, in whole or in part, or to close out any of the commitments made on my (our) behalf.

3. General Provisions

Any sale, purchase, or cancellation authorized hereby may be made according to your judgement and at your discretion on the exchange or other market where such business is then usually transacted, at public auction, or at private sale without advertising the same and without any notice, prior to tender, demand, or call. You may purchase the whole or any part of such securities free from any right of redemption, and I (we) shall remain liable for any deficiency. It is further understood that any notice, prior to tender, demand, or call, from you shall not be considered a waiver of any provision of this agreement. I (we) shall include any person executing this agreement. With my (our) signature on this document, I (we) authorize any free credit balance in my account to be automatically invested into the sweep product elected, unless I (we) instruct my financial organization differently. Pershing LLC is further authorized to rely on instructions that I (we) give to my financial organization regarding my (our) sweep elections. I (we) agree, that my (our) sweep option may be changed, including changes between money market funds and bank deposit products, with prior notification to me (us).

4. Successors and Assigns

This agreement and its provisions shall be continuous, and shall inure to the benefit of your present organization, and any successor organization or assigns, and shall be binding upon me (us) and/or the estate, executors, administrators, and assigns of my (our) account.

5. Age

I (we), if an individual, represent that I (we) am (are) of full age.

6. Interest in Account

No one except me (us) has an interest in any of my (our) accounts with you unless such interest is revealed in the title of such account, and in any case, I (we) have the interest indicated in such title.

7. Orders and Statements

Reports of the execution of orders and statements of my (our) account shall be conclusive if not objected to in writing, the former within two days and the latter within ten days, after forwarding by you to me (us) by mail or otherwise.

8. Extraordinary Events

You shall not be liable for loss or delay caused directly or indirectly by war, natural disasters, government restrictions, exchange, or market rulings, or other conditions beyond your control.

9. Fees and Charges

I (we) agree to the fees and charges on the fee schedule received by me (us). You may change the fee schedule from time to time.

10. Joint Accounts

If this is a joint account, unless we notify you otherwise and provide such documentation, as you require, the brokerage account(s) shall be held by us jointly with rights of survivorship (payable to either or the survivor of us). Each joint tenant irrevocably appoints the other as attorney-in-fact to take all action on his or her behalf and to represent him or her in all respects in connection with this Agreement. You shall be fully protected in acting, but shall not be required to act upon the instructions of either of us. Each of us shall be liable, jointly and individually, for any amounts due to you pursuant to this Agreement, whether incurred by either or both of us.

11. Address

Communications may be sent to me (us) at my (our) current address which is on file at your office, or at such other address as I (we) may hereafter give you in writing. All communications so sent, whether by mail, telegraph, messenger, or otherwise, shall be deemed given to me (us) personally, whether actually received or not.

12. Recording Conversations

I (we) understand and agree that for our mutual protection you may electronically record any of my (our) telephone conversations.

13. ARBITRATION DISCLOSURES

THIS AGREEMENT CONTAINS A PREDISPUTE ARBITRATION CLAUSE. BY SIGNING AN ARBITRATION AGREEMENT THE PARTIES AGREE AS FOLLOWS:

- ALL PARTIES TO THIS AGREEMENT ARE GIVING UP THE RIGHT TO SUE EACH OTHER IN COURT, INCLUDING THE RIGHT TO A TRIAL BY JURY, EXCEPT AS PROVIDED BY THE RULES OF THE ARBITRATION FORUM IN WHICH A CLAIM IS FILED.
- ARBITRATION AWARDS ARE GENERALLY FINAL AND BINDING;
 A PARTY'S ABILITY TO HAVE A COURT REVERSE OR MODIFY
 AN ARBITRATION AWARD IS VERY LIMITED.
- THE ABILITY OF THE PARTIES TO OBTAIN DOCUMENTS, WITNESS STATEMENTS, AND OTHER DISCOVERY IS GENERALLY MORE LIMITED IN ARBITRATION THAN IN COURT PROCEEDINGS.
- THE ARBITRATORS DO NOT HAVE TO EXPLAIN THE REASON(S) FOR THEIR AWARD, UNLESS, IN AN ELIGIBLE CASE, A JOINT REQUEST FOR AN EXPLAINED DECISION HAS BEEN SUBMITTED BY ALL PARTIES TO THE PANEL AT LEAST 20 DAYS PRIOR TO THE FIRST SCHEDULED HEARING DATE.

New Account Agreement

- Account Number
- THE PANEL OF ARBITRATORS WILL TYPICALLY INCLUDE A MINORITY OF ARBITRATORS WHO WERE OR ARE AFFILIATED WITH THE SECURITIES INDUSTRY.
- THE RULES OF SOME ARBITRATION FORUMS MAY IMPOSE TIME LIMITS FOR BRINGING A CLAIM IN ARBITRATION. IN SOME CASES, A CLAIM THAT IS INELIGIBLE FOR ARBITRATION MAY BE BROUGHT IN COURT.
- THE RULES OF THE ARBITRATION FORUM IN WHICH THE CLAIM IS FILED, AND ANY AMENDMENTS THERETO, SHALL BE INCORPORATED INTO THIS AGREEMENT.

14. ARBITRATION AGREEMENT

ANY CONTROVERSY BETWEEN YOU OR PERSHING AND US SHALL BE SUBMITTED TO ARBITRATION BEFORE AND ONLY BEFORE THE FINANCIAL INDUSTRY REGULATORY AUTHORITY. NO PERSON SHALL BRING A PUTATIVE OR CERTIFIED CLASS ACTION TO ARBITRATION, NOR SEEK TO ENFORCE ANY PREDISPUTE ARBITRATION AGREEMENT AGAINST ANY PERSON WHO HAS INITIATED IN COURT A PUTATIVE CLASS ACTION; OR WHO IS A MEMBER OF A PUTATIVE CLASS WHO HAS NOT OPTED OUT OF THE CLASS WITH RESPECT TO ANY CLAIMS ENCOMPASSED BY THE PUTATIVE CLASS ACTION UNTIL; (I) THE CLASS CERTIFICATION IS DENIED; (II) THE CLASS IS DECERTIFIED; OR (III) THE CUSTOMER IS EXCLUDED FROM THE CLASS BY THE COURT. SUCH FORBEARANCE TO ENFORCE AN AGREEMENT TO ARBITRATE SHALL NOT CONSTITUTE A WAIVER OF ANY RIGHTS UNDER THIS AGREEMENT EXCEPT TO THE EXTENT STATED HEREIN. THE LAWS OF THE STATE OF NEW YORK GOVERN.

15. Specified Adult and Trusted Contact Disclosure

By completing a physical or electronic contact form or providing Trusted Party information to my broker or advisor for electronic capture, I/we authorize the named Financial Institution and Pershing LLC ("Pershing") and their affiliates to share my nonpublic personal information* held at Financial Institution and Pershing with the named trusted contact person(s) (the "Trusted Contact Person(s)")

identified as such. Additionally, I/we authorize this information to be shared with the Trusted Contact Person(s) at the discretion of Financial Institution and Pershing. This authorization includes, but is not limited to, sharing or disclosing any information regarding securities, insurance, bank related, financial planning or other financial products or services offered by or through Financial Institution and/or Pershing or any financial information I/we may have provided to Financial Institution and Pershing. I/we understand that Financial Institution and Pershing, LLC may contact the named Trusted Contact Person(s) if there are questions/concerns about my whereabouts or health status (i.e., if Financial Institution and Pershing becomes concerned that I may no longer be able to handle my financial affairs) or in the event that Financial Institution and Pershing becomes concerned that I may be a victim of fraud or exploitation.

Account owners should contact their Financial Institution or financial representative with additional questions.

Account owners may also contact FINRA at its toll-free number for senior investors to get assistance or raise concerns about issues with brokerage accounts and investments.

CALL: 844-57-HELPS (844-574-3577) MONDAY – FRIDAY; 9 – 5 P.M. ET

* "Nonpublic personal information" includes, but is not limited to: financial account information and balances, information regarding the purchase of a security or insurance product, and any other personally identifiable financial information: (i) provided by a me/us to my/our Financial Institution; (ii) resulting from any transaction in my/our account or any service performed on behalf of me/us by the Financial Institution; or (iii) otherwise obtained from me/us by the Financial Institution.

16. Amendment and Modification of Agreement

I (we) agree that you or your successors or assigns may unilaterally, at any time, change or modify the terms and conditions of this New Account Agreement by sending me notice of the change as required by law or regulation.



New Account Agreement Additional Holder/Participant Information Supplement

Name				ADDITIONAL DOCUMENTATION MAY
Holder/Participant Role				REQUIRED TO OPEN THESE ACCOUNT TYPES
Social Security or Tax ID Number (EIN)		Date of Birth		IF YOU DO NOT PROVI THE INFORMATION
	Person En	ntity -	- -	REQUESTED OR YOUR IDENTITY CANNOT BE
Email	Positi	ion Held		VERIFIED, WE MAY NO BE ABLE TO OPEN AN
Home Phone	Business Phone	M	obile Phone	ACCOUNT OR CARRY O TRANSACTIONS FOR YOU IF YOU ALREADY HAVE
.egal Address (no P.O. box)				ACCOUNT, WE MAY HA
City		State/Province	Zip/Postal Code	
Country				
Mailing Address (if different from legal addre	ss)			
City		State/Province	Zip/Postal Code	
Country				A COPY OF THE ID IS REQUIRED FOR
Primary Citizenship(s)		Additional Citizensh	ip(s)	EACH NON-U.S. PERSON AND FOR
J.S. Resident Alien	Country of Birth		U.S. CITIZENS LIVING ABROAD. PROOF OF ADDRESS MAY ALSO	
Yes No				BE REQUIRED.
Gender M Male Female	arital Status Single	Divorced	Domestic Partner V	Vidowed
	James I Married L	_ Divorced	zomestie rantilei	Nacwed
)anandants				
<u> </u>				
Number of Dependents				
Number of Dependents				
Number of Dependents eneficial Owners				
Number of Dependents Seneficial Owners Percent of Ownership	ations Retired Unemplo	oyed 🗌 Homer	naker 🗌 Student	
Dependents Number of Dependents Beneficial Owners Percent of Ownership Employment and Industry Affilia Employed Self-Employed Occupation	Retired Unemplo		naker	



New Account Agreement Supplement Account Number Employer's Address State/Province Zip/Postal Code City Country **General Investment Knowledge and Experience** ☐ Limited ☐ Moderate ☐ Extensive ☐ None Knowledge and Experience by Investment Type INVESTMENT INVESTMENT KNOWLEDGE **INVESTMENT EXPERIENCE** Extensive **Equities** Limited Moderate None Since Year: **Exchange Traded Funds** Limited Moderate Extensive None Since Year: Fixed Income Limited Moderate Extensive None Since Year: Mutual Funds Limited Moderate Extensive None Since Year: Other: Limited Moderate Extensive None Since Year: **Financial Information Identify Verification Method Used** Internal Review (INRV) Annual Income From \$ To \$ Net Worth (excluding home) To \$ From \$ Liquid Net Worth From \$ To \$ **Unexpired Government Identification GOVERNMENT ISSUED GOVERNMENT PHOTO ID #1 GOVERNMENT PHOTO ID #2** UNEXPIRED PHOTO Type of Unexpired Photo ID Type of Unexpired Photo ID **IDENTIFICATION** SHOULD BE PROVIDED FOR ALL INDIVIDUALS ID Number ID Number THAT WERE NOT VERIFIED USING Country of Issue Country of Issue **NON-DOCUMENTARY** METHODS, AND FOR NON-RESIDENT State/Province/Subdivision of ID State/Province/Subdivision of ID ALIENS, ALONG WITH AN IRS FORM W-8BEN. Date of Issue Date of Expiration Date of Issue Date of Expiration **ID Verification Comments**



New Account Agreement Supple		Account Nun	ibei			
Corporate/Business Information						
Corporate/Business ID Number	ate/Business ID Number Formation Date of Corporation/Business					
State/Province of Incorporation	ovince of Incorporation Country of Incorporation					
Legal Entity Identifier (LEI)						
Broker-Dealer Affiliations						
Are you an employee of this broker-dealer?				Yes	☐ No	
Are you related to an employee at this broker-deale	er?			Yes	☐ No	
Employee Name		Relationship				
Are you an employee of another broker-dealer?		1		Yes	☐ No	
Broker-Dealer Name						
Are you related to an employee at another broker-d	lealer?			Yes	☐ No	
Broker-Dealer Name	Employee N	ame	Relationship)		
Are you maintaining any other brokerage accounts?	?			Yes	☐ No	
With what firm(s) are you maintaining other brokerage accounts? Years of Investment Experience						
Are you or any member of your immediate family a member of a stock exchange or the Financial Indust	ffiliated with or e try Regulatory A	employed by a uthority?		Yes	☐ No	
Employer authorization is required. What is the affiliation?						
Are you a senior officer, director, or 10% or more shareholder of a public company?						
Company Name(s)						
STEP 2. SIGNATURE						
Required only if additional holder/participant is a jo	int tenant					
ACKNOWLEDGE AND AGREE THAT THIS AGRI IN PARAGRAPHS 13 AND 14, ON PAGES 10 AN ACCOUNT AGREEMENT WITH PREDISPUTE ARE	EEMENT CONTA	Y ACKNOWLED				
Secondary Account Holder						
Print Name		Date —	-		,]	PLEASE REVIEW YOUR INFORMATION, READ THE AGREEMENT ON
Signature				, ,		PAGES 10 AND 11, AND SIGN HERE. KEEP
X						A COPY FOR YOUR



Trusted Contact Form

STEP 1. ACCOUNT INFORMATION	ON			
Account Number	Account Titl	le		
STEP 2. TRUSTED CONTACTS				
				TRUSTED CONTACT:
Name		Date of	Birth	PERSON 18 YEARS
Email				OF AGE OR OLDER WHO MAY BE
				CONTACTED ABOUT
Home Phone	Business Phone		Mobile Phone	THE ACCOUNT ON BEHALF OF THE
Mailing Address				SPECIFIED ADULT.
Walling / Walless				
City		State/Province	Zip/Postal Code	
Country				
N.			The st	
Name		Date of		
Email				
Home Phone	Business Phone		Mobile Phone	
Mailing Address				
Walling / Radiess				
City		State/Province	Zip/Postal Code	
Country				
CTED 2 AUTUODIZED CICNATO	IDEC			
STEP 3. AUTHORIZED SIGNATU	UKES			
Primary Account Holder				
Print Name		Date		
Signature				
X				
Secondary Account Holder (if app	licable)			
Print Name		Date		
Signature				
X				





Certification of Foreign Tax ID and Date of Birth

All fields are required unless otherwise stated:
Name of Beneficial Owner:
This Certificate Relates to IRS Form: W-8BEN W-8BEN-E W-8ECI W-8EXP
IRS W-8 Form Signed on [MM/DD/YYYY]:
This certificate relates to all accounts/transactions to which the aforementioned IRS Form is applied, including, but not limited to, Pershing account number(s):
Date of Birth [MM/DD/YYYY] (required for only individuals):
Foreign Tax ID: Issuing Country:
If account holder is unable to provide a Foreign Tax ID, select the appropriate reason:
The jurisdiction where the account holder is a resident does not issue TINs to its residents
The jurisdiction where the account holder is a resident does not require the account holder to obtain a TIN
The account holder is otherwise unable to provide a TIN
(Please provide explanation)
Under penalties of perjury, I declare that I have examined the information on this Certification, and to the best of my knowledge and belief, it is true, correct, and complete.
Beneficial Owner Signature:
Printed Name of Signatory:
Date [MM/DD/VVVV]



CLIENT AUTHORIZATION AND UNDERSTANDING

Account Title		Account #		RR				
To Whom It May Concern,								
Unless otherwise indicated, please transfer all assets in my account to Pershing without penalties. Such assets may be transferred within the time frame required by FINRA Rules or any other designated examining authority. Unless otherwise indicated, I authorize you to liquidate any nontransferable proprietary money market fund assets that are part of my account and transfer the resulting credit balance to the successor custodian. I authorize you to deduct any outstanding fees due from the credit balance in my account. If my account does not contain a credit balance, or if the credit balance in the account is insufficient to satisfy any outstanding fees due to you, I authorize you to liquidate the assets in my account to the extent necessary to satisfy the obligation. If certificates or other instruments in my account are in physical form I instruct them to be transferred in good deliverable form, including affixing any necessary tax waivers, to enable the successor custodian to transfer them into its name for the purpose of the sale, when, and as directed to me. I understand that upon receiving a copy of this transfer information open orders in my account will be canceled. I understand that I may be contacted with respect to the disposition of any assets in my brokerage account that are nontransferable.								
	Special Note for Non-US Accounts: With respect to assets custodied by Pershing LLC, you acknowledge that income and capital gains or distributions to you from this account may be taxable in your home jurisdiction. You acknowledge to Banco do Brasil Securities LLC and to Pershing LLC that you have taken your own tax advice in this regard.							
By signing below, I confirm that I have received the Curre	ent Fee Schedule a	and have agreed to	the following te	rms:				
☐ I agree to give Banco do Brasil Securities LLC, ("BBS")) the authorizatior	to debit my Bank	Account on a qua	arterly basis as per t	he current fee schedule.			
I agree to be charged for the basic maintenance fee a	as per the current	fee schedule.						
Banco do Brasil Securities LLC, through its agreement choosing to take advantage of this service, you are aut to the Bank Account listed below where my funds are Brasil Securities LLC.	thorizing the auto	matic transfer of ex	xcess balances fro	om Banco do Brasil :	Securities LLC, ("BBS")			
		E	Bank Account #					
Authorized Signatures								
Name	Signature			Date				
				1	1			
Name	Signature			Date				
Name Name	Signature Signature			Date				

Corporate Resolution Certification

STEP I. ACCOONT INFORMATION	
Account Title	Account Number

STEP 2. CERTIFICATION

CTED 1 ACCOUNT INFORMATION

I HEREBY CERTIFY that at a meeting, duly called, of the Board of Directors of ______, a Corporation, at which said meeting a quorum was present and acting throughout, the following preamble and resolution was adopted and ever since has been and now is in full force and effect.

WHEREAS this Corporation is duly authorized and permitted by its Charter and Bylaws to:

- Engage in cash and/or margin transactions in any and all forms of securities including, but not limited to, stocks, options, mutual funds, stock options, stock index options, short sales, foreign currency options and debt instrument options, bonds, bond debentures, annuities, notes, scrips, participation certificates, rights to subscribe, warrants, certificates of deposit, mortgages, choses in action, evidences of indebtedness, commercial paper certificates or indebtedness, and certificates of interest of any and every kind and nature whatsoever, secured or unsecured, whether represented by trust, participating and/or other certificates or otherwise.
- Receive on behalf of the Corporation or deliver to the Corporation or third parties, including but not limited to
 the President, Vice President, Treasurer or any other authorized officer or person listed in Step 3 below giving
 such instruction, monies, stocks, bonds, and other securities. To sell, assign, and endorse for transfer, certificates
 representing stocks, bonds, or other securities now registered or hereafter registered in the name of the Corporation.
- Establish and maintain an asset management account with debit card, check writing and margin privileges, from which account funds are directly spent, in the names of each authorized person and/or any additional signatories (as indicated in the separate Asset Management Account Agreement), the responsibility for which is entirely that of the Corporation.
- Borrow money or make any contract the effect of which is to borrow money, and secure such obligations by
 mortgages or other liens upon Corporate property; borrow, guarantee and/or pledge any Corporate assets as
 collateral, as the case may be, with respect to a loan; guarantee a borrowing of money or to make any contract
 the effect of which is to guarantee a borrowing, and secure such obligations by mortgages or other liens upon any
 Corporate property.

NOW THEREFORE BE IT RESOLVED that this Corporation opened an account or accounts in its name with

BANCO DO BRASIL SECURITIES LLC.

Name of Introducing Firm

• and that the individuals named in Step 3 below ("Authorized Person") or any one of them acting individually, may, on behalf of this Corporation, be and they hereby are and each of them hereby is authorized and empowered to (1) give written or oral orders in the said account or accounts for the purchase, sale, or other disposition of stocks, bonds, and other securities, (2) deliver to and receive from Pershing LLC (Pershing), on behalf of this Corporation monies, stocks, bonds, and other securities, (3) establish and maintain an asset management account with debit card, check writing and margin privileges from which account funds are directly spent with each authorized person as indicated in the separate asset management account agreement having check writing and debit card privileges, (4) order the transfer or delivery of funds, monies or securities to any other person whatsoever, including the President, Vice President, Treasurer or any other authorized officers or persons indicated below giving such instructions, (5) sign acknowledgements of the correctness of all statements of accounts, (6) borrow, pledge, guarantee or otherwise encumber Corporate assets, and (7) make, execute, and deliver under the corporate seal any and all written endorsements, releases and documents necessary or proper to effectuate the authority hereby conferred; the within authorization to each of said officers to remain in full force and effect until written notice of the revocation thereof shall have been received by

BANCO DO BRASIL SECURITIES LLC

and Pershing.

Name of Introducing Firm



Corporate Resolution Certification	Account Number
STEP 3. CERTIFICATION AND SIGNATURES	
I FURTHER CERTIFY that the following are the names, titles and signs the foregoing resolution to act for this Corporation:	gnatures of the officers (or others) authorized
Printed Name	Date - -
Title	
Signature	
X	
Printed Name	Date — —
Title	
Signature	
X	
Printed Name	Date - -
Title	
Signature	
X	
Printed Name	Date
Title	
Signature	
X	
Printed Name	Date
Title	
Signature	
V	

Corporate Resolution Certification	Account Number
Certification	
This individual may or may not be listed in the authorized persons Secretary or Sole Officer/Secretary of the corporation.	box above and may also be an Officer, Director,
Printed Name	Date - -
Title	
Signature	
X	
If the Corporation has only one Sole Officer, that Sole Officer mindicating his or her company title in addition to filling in and execut STEP 4. ADDITIONAL CERTIFICATION	ting the Additional Certification in Step 4 below.
This section to be completed only if the Signer in Step 3 above is at Resolutions, but is not an Officer of the Corporation, OR if the Corp	
Check one:	
☐ I FURTHER CERTIFY that the Signer in Step 3 above is authorized documents to act hereunder if listed as an authorized person.	ed by the foregoing resolutions and its operating
I FURTHER CERTIFY that the Corporation has only one Sole Of Secretary and am authorized to execute legal and binding do Corporation pursuant to its governing documents.	
Printed Name	Date - -
Title	
Signature	
Y	

BANCO DO BRASIL SECURITIES LLC ("BBS" IS A MEMBER OF FINRA, SIPC AND NFA. BBS IS AN INTRODUCING BROKER CLEARING THROUGH PERSHING ON A FULLY DISCLOSED BASIS.

Form W-8BEN-E

(Rev. July 2017) Department of the Treasury Internal Revenue Service

Certificate of Status of Beneficial Owner for United States Tax Withholding and Reporting (Entities) ► For use by entities. Individuals must use Form W-8BEN. ► Section references are to the Internal Revenue Code. ► Go to www.irs.gov/FormW8BENE for instructions and the latest information. ► Give this form to the withholding agent or payer. Do not send to the IRS.

OMB No. 1545-1621

Do NO	T use this form for:			Instead use Fo	rm:				
• U.S.	entity or U.S. citizen or resident				W-9				
• A for	eign individual			W-8BEN (Individual) or Form 8	3233				
	eign individual or entity claiming that income is efless claiming treaty benefits).	fectively connected with	h the conduct o	of trade or business within the U.S.	3ECI				
• A for	eign partnership, a foreign simple trust, or a foreig	n grantor trust (unless	claiming treaty	benefits) (see instructions for exceptions) W-8	IMY				
gove	eign government, international organization, foreign rnment of a U.S. possession claiming that income c), 892, 895, or 1443(b) (unless claiming treaty ben	is effectively connecte	d U.S. income	or that is claiming the applicability of section(s) 115(2)					
• Any p	person acting as an intermediary (including a quali	ified intermediary acting	g as a qualified	derivatives dealer)	IMY				
Par	t I Identification of Beneficial Ow	ner							
1	Name of organization that is the beneficial owner	r		2 Country of incorporation or organization					
3	Name of disregarded entity receiving the payment	nt (if applicable, see ins	structions)						
4	Chapter 3 Status (entity type) (Must check one b Simple trust Grantor trust Central Bank of Issue Tax-exempt or	☐ Com	ooration nplex trust ate foundation	☐ Disregarded entity ☐ Partnershi ☐ Estate ☐ Governme	•				
		_		☐ International organization					
	If you entered disregarded entity, partnership, si claim? If "Yes" complete Part III.	mple trust, or grantor to	rust above, is tr	ne entity a hybrid making a treaty Yes No)				
5	Chapter 4 Status (FATCA status) (See instruction Nonparticipating FFI (including an FFI related FFI other than a deemed-compliant FFI, part exempt beneficial owner).	d to a Reporting IGA	☐ Nonrepor☐ Foreign g	cation below for the entity's applicable status.) rting IGA FFI. Complete Part XII. government, government of a U.S. possession, or fore ank of issue. Complete Part XIII.	ign				
	Participating FFI.		☐ Internatio	onal organization. Complete Part XIV.					
	Reporting Model 1 FFI.			etirement plans. Complete Part XV.					
	Reporting Model 2 FFI.		☐ Entity who	Ily owned by exempt beneficial owners. Complete Part XVI.					
	Registered deemed-compliant FFI (other that		Territory financial institution. Complete Part XVII.						
	FFI, sponsored FFI, or nonreporting IGA FFI See instructions.	covered in Part XII).	☐ Excepted nonfinancial group entity. Complete Part XVIII.☐ Excepted nonfinancial start-up company. Complete Part XIX.						
	Sponsored FFI. Complete Part IV.		Excepted nonfinancial entity in liquidation or bankruptcy.						
	Certified deemed-compliant nonregistering I Part V.	ocal bank. Complete	Complete Part XX. 501(c) organization. Complete Part XXI. Nonprofit organization. Complete Part XXII. Publicly traded NFFE or NFFE affiliate of a publicly traded corporation. Complete Part XXIII. Excepted territory NFFE. Complete Part XXIV. Active NFFE. Complete Part XXV. Passive NFFE. Complete Part XXVI.						
	Certified deemed-compliant FFI with only low Complete Part VI.	w-value accounts.							
	☐ Certified deemed-compliant sponsored, clos vehicle. Complete Part VII.	sely held investment							
	Certified deemed-compliant limited life debt in Complete Part VIII.	vestment entity.							
	Certain investment entities that do not maintain Complete Part IX.	n financial accounts.	Excepted	l inter-affiliate FFI. Complete Part XXVII.					
	Owner-documented FFI. Complete Part X.		☐ Direct reporting NFFE.☐ Sponsored direct reporting NFFE. Complete Part XXVIII.						
6	Restricted distributor. Complete Part XI.	o or rural routo) Do no		that is not a financial account.	-/				
U	remanent residence address (street, apt. or suite i	io., or rural route). Do no	n use a r.o. bo	or in-care-or address (other than a registered address	»)•				
	City or town, state or province. Include postal co	ode where appropriate.		Country					
7	Mailing address (if different from above)								
	City or town, state or province. Include postal co	ode where appropriate.		Country					
8	U.S. taxpayer identification number (TIN), if required	9a GIIN		b Foreign TIN					
10	Reference number(s) (see instructions)								
Note:	Please complete remainder of the form including s	signing the form in Part	XXX.						

Form W-8BEN-E (Rev. 7-2017) Disregarded Entity or Branch Receiving Payment. (Complete only if a disregarded entity with a GIIN or a Part II branch of an FFI in a country other than the FFI's country of residence. See instructions.) Chapter 4 Status (FATCA status) of disregarded entity or branch receiving payment 11 ☐ Branch treated as nonparticipating FFI. Reporting Model 1 FFI. U.S. Branch. Participating FFI. Reporting Model 2 FFI. Address of disregarded entity or branch (street, apt. or suite no., or rural route). Do not use a P.O. box or in-care-of address (other than a registered address). City or town, state or province. Include postal code where appropriate. Country GIIN (if any) Claim of Tax Treaty Benefits (if applicable). (For chapter 3 purposes only.) Part III I certify that (check all that apply): The beneficial owner is a resident of within the meaning of the income tax treaty between the United States and that country. The beneficial owner derives the item (or items) of income for which the treaty benefits are claimed, and, if applicable, meets the requirements of the treaty provision dealing with limitation on benefits. The following are types of limitation on benefits provisions that may be included in an applicable tax treaty (check only one; see instructions): Government Company that meets the ownership and base erosion test Tax exempt pension trust or pension fund Company that meets the derivative benefits test Other tax exempt organization Company with an item of income that meets active trade or business test ☐ Publicly traded corporation Favorable discretionary determination by the U.S. competent authority received ☐ Subsidiary of a publicly traded corporation Other (specify Article and paragraph): The beneficial owner is claiming treaty benefits for U.S. source dividends received from a foreign corporation or interest from a U.S. trade or business of a foreign corporation and meets qualified resident status (see instructions). 15 Special rates and conditions (if applicable—see instructions): The beneficial owner is claiming the provisions of Article and paragraph of the treaty identified on line 14a above to claim a % rate of withholding on (specify type of income): Explain the additional conditions in the Article the beneficial owner meets to be eligible for the rate of withholding: Part IV Sponsored FFI 16 Name of sponsoring entity: 17 Check whichever box applies. ☐ I certify that the entity identified in Part I: • Is an investment entity: • Is not a QI, WP (except to the extent permitted in the withholding foreign partnership agreement), or WT; and Has agreed with the entity identified above (that is not a nonparticipating FFI) to act as the sponsoring entity for this entity. ☐ I certify that the entity identified in Part I: • Is a controlled foreign corporation as defined in section 957(a); • Is not a QI, WP, or WT; • Is wholly owned, directly or indirectly, by the U.S. financial institution identified above that agrees to act as the sponsoring entity for this entity; and · Shares a common electronic account system with the sponsoring entity (identified above) that enables the sponsoring entity to identify all account holders and payees of the entity and to access all account and customer information maintained by the entity including, but not limited to, customer identification information, customer documentation, account balance, and all payments made to account holders or payees.

- bank and, with respect to a credit union or similar cooperative credit organization, members, provided that no member has a greater than 5% interest in such credit union or cooperative credit organization;

 Does not solicit account holders outside its country of organization;
- Has no fixed place of business outside such country (for this purpose, a fixed place of business does not include a location that is not advertised to the public and from which the FFI performs solely administrative support functions);

· Engages primarily in the business of receiving deposits from and making loans to, with respect to a bank, retail customers unrelated to such

- Has no more than \$175 million in assets on its balance sheet and, if it is a member of an expanded affiliated group, the group has no more than \$500 million in total assets on its consolidated or combined balance sheets; and
- Does not have any member of its expanded affiliated group that is a foreign financial institution, other than a foreign financial institution that is incorporated or organized in the same country as the FFI identified in Part I and that meets the requirements set forth in this part.

Part VI Certified Deemed-Compliant FFI with Only Low-Value Accounts

- - Is not engaged primarily in the business of investing, reinvesting, or trading in securities, partnership interests, commodities, notional principal contracts, insurance or annuity contracts, or any interest (including a futures or forward contract or option) in such security, partnership interest, commodity, notional principal contract, insurance contract or annuity contract;
 - No financial account maintained by the FFI or any member of its expanded affiliated group, if any, has a balance or value in excess of \$50,000 (as determined after applying applicable account aggregation rules); and
 - Neither the FFI nor the entire expanded affiliated group, if any, of the FFI, have more than \$50 million in assets on its consolidated or combined balance sheet as of the end of its most recent accounting year.

Part VII Certified Deemed-Compliant Sponsored, Closely Held Investment Vehicle

20 Name of sponsoring entity:

- - Is an FFI solely because it is an investment entity described in Regulations section 1.1471-5(e)(4);
 - Is not a QI, WP, or WT;
 - Will have all of its due diligence, withholding, and reporting responsibilities (determined as if the FFI were a participating FFI) fulfilled by the sponsoring entity identified on line 20; and
 - 20 or fewer individuals own all of the debt and equity interests in the entity (disregarding debt interests owned by U.S. financial institutions, participating FFIs, registered deemed-compliant FFIs, and certified deemed-compliant FFIs and equity interests owned by an entity if that entity owns 100% of the equity interests in the FFI and is itself a sponsored FFI).

Part VIII Certified Deemed-Compliant Limited Life Debt Investment Entity

- - Was in existence as of January 17, 2013;
 - Issued all classes of its debt or equity interests to investors on or before January 17, 2013, pursuant to a trust indenture or similar agreement; and
 - Is certified deemed-compliant because it satisfies the requirements to be treated as a limited life debt investment entity (such as the restrictions with respect to its assets and other requirements under Regulations section 1.1471-5(f)(2)(iv)).

Part IX Certain Investment Entities that Do Not Maintain Financial Accounts

- 23 LI certify that the entity identified in Part I:
 - Is a financial institution solely because it is an investment entity described in Regulations section 1.1471-5(e)(4)(i)(A), and
 - Does not maintain financial accounts.

Part X Owner-Documented FFI

Note: This status only applies if the U.S. financial institution, participating FFI, or reporting Model 1 FFI to which this form is given has agreed that it will treat the FFI as an owner-documented FFI (see instructions for eligibility requirements). In addition, the FFI must make the certifications below.

- 24a (All owner-documented FFIs check here) I certify that the FFI identified in Part I:
 - Does not act as an intermediary;
 - Does not accept deposits in the ordinary course of a banking or similar business;
 - Does not hold, as a substantial portion of its business, financial assets for the account of others;
 - Is not an insurance company (or the holding company of an insurance company) that issues or is obligated to make payments with respect to a financial account:
 - Is not owned by or in an expanded affiliated group with an entity that accepts deposits in the ordinary course of a banking or similar business, holds, as a substantial portion of its business, financial assets for the account of others, or is an insurance company (or the holding company of an insurance company) that issues or is obligated to make payments with respect to a financial account;
 - Does not maintain a financial account for any nonparticipating FFI; and
 - Does not have any specified U.S. persons that own an equity interest or debt interest (other than a debt interest that is not a financial account or that has a balance or value not exceeding \$50,000) in the FFI other than those identified on the FFI owner reporting statement.

Par	tΧ	Owner-Documented FFI (continued)
Check	box 24	b or 24c, whichever applies.
b	_	pertify that the FFI identified in Part I:
	• Has	provided, or will provide, an FFI owner reporting statement that contains:
	(i)	The name, address, TIN (if any), chapter 4 status, and type of documentation provided (if required) of every individual and specified U.S. person that owns a direct or indirect equity interest in the owner-documented FFI (looking through all entities other than specified U.S. persons);
		The name, address, TIN (if any), and chapter 4 status of every individual and specified U.S. person that owns a debt interest in the owner-documented FFI (including any indirect debt interest, which includes debt interests in any entity that directly or indirectly owns the payee or any direct or indirect equity interest in a debt holder of the payee) that constitutes a financial account in excess of \$50,000 (disregarding all such debt interests owned by participating FFIs, registered deemed-compliant FFIs, certified deemed-compliant FFIs, excepted NFFEs, exempt beneficial owners, or U.S. persons other than specified U.S. persons); and
	(ii	Any additional information the withholding agent requests in order to fulfill its obligations with respect to the entity.
		provided, or will provide, valid documentation meeting the requirements of Regulations section 1.1471-3(d)(6)(iii) for each person ied in the FFI owner reporting statement.
С	fro re ar	certify that the FFI identified in Part I has provided, or will provide, an auditor's letter, signed within 4 years of the date of payment, or an independent accounting firm or legal representative with a location in the United States stating that the firm or representative has viewed the FFI's documentation with respect to all of its owners and debt holders identified in Regulations section 1.1471-3(d)(6)(iv)(A)(2), do that the FFI meets all the requirements to be an owner-documented FFI. The FFI identified in Part I has also provided, or will provide, a FFI owner reporting statement of its owners that are specified U.S. persons and Form(s) W-9, with applicable waivers.
Check	box 24	d if applicable (optional, see instructions).
d		certify that the entity identified on line 1 is a trust that does not have any contingent beneficiaries or designated classes with unidentified eneficiaries.
Part	ΧI	Restricted Distributor
25a		Il restricted distributors check here) I certify that the entity identified in Part I:
		rates as a distributor with respect to debt or equity interests of the restricted fund with respect to which this form is furnished;
		ides investment services to at least 30 customers unrelated to each other and less than half of its customers are related to each other;
		quired to perform AML due diligence procedures under the anti-money laundering laws of its country of organization (which is an FATF-iant jurisdiction);
		rates solely in its country of incorporation or organization, has no fixed place of business outside of that country, and has the same ry of incorporation or organization as all members of its affiliated group, if any;
	• Doe	s not solicit customers outside its country of incorporation or organization;
		no more than \$175 million in total assets under management and no more than \$7 million in gross revenue on its income statement for ost recent accounting year;
		ot a member of an expanded affiliated group that has more than \$500 million in total assets under management or more than \$20 million as revenue for its most recent accounting year on a combined or consolidated income statement; and
		s not distribute any debt or securities of the restricted fund to specified U.S. persons, passive NFFEs with one or more substantial U.S. s, or nonparticipating FFIs.
Check	box 25	b or 25c, whichever applies.
	-	r that with respect to all sales of debt or equity interests in the restricted fund with respect to which this form is furnished that are made er 31, 2011, the entity identified in Part I:
b	re	as been bound by a distribution agreement that contained a general prohibition on the sale of debt or securities to U.S. entities and U.S. sident individuals and is currently bound by a distribution agreement that contains a prohibition of the sale of debt or securities to any secified U.S. person, passive NFFE with one or more substantial U.S. owners, or nonparticipating FFI.
С	pa re id fu	currently bound by a distribution agreement that contains a prohibition on the sale of debt or securities to any specified U.S. person, assive NFFE with one or more substantial U.S. owners, or nonparticipating FFI and, for all sales made prior to the time that such a striction was included in its distribution agreement, has reviewed all accounts related to such sales in accordance with the procedures entified in Regulations section 1.1471-4(c) applicable to preexisting accounts and has redeemed or retired any, or caused the restricted and to transfer the securities to a distributor that is a participating FFI or reporting Model 1 FFI securities which were sold to specified U.S. ersons, passive NFFEs with one or more substantial U.S. owners, or nonparticipating FFIs.
		Form W-8BEN-E (Rev. 7-2017)

Page 4

Form W-8BEN-E (Rev. 7-2017)

		(Nev. 1-2017) Page :
Part	XII	Nonreporting IGA FFI
26	□lce	rtify that the entity identified in Part I:
	 Meet 	s the requirements to be considered a nonreporting financial institution pursuant to an applicable IGA between the United States and
		The applicable IGA is a \square Model 1 IGA or a \square Model 2 IGA; and
	is treat	ed as aunder the provisions of the applicable IGA or Treasury regulations
	`	icable, see instructions);
	-	are a trustee documented trust or a sponsored entity, provide the name of the trustee or sponsor
	The tru	stee is: U.S. Foreign
Part	XIII	Foreign Government, Government of a U.S. Possession, or Foreign Central Bank of Issue
27		rtify that the entity identified in Part I is the beneficial owner of the payment, and is not engaged in commercial financial activities of a
		e engaged in by an insurance company, custodial institution, or depository institution with respect to the payments, accounts, or
		gations for which this form is submitted (except as permitted in Regulations section 1.1471-6(h)(2)).
Part	XIV	International Organization
Check	box 28	a or 28b, whichever applies.
28a	□lce	rtify that the entity identified in Part I is an international organization described in section 7701(a)(18).
b	□lce	rtify that the entity identified in Part I:
	• Is cor	mprised primarily of foreign governments;
		cognized as an intergovernmental or supranational organization under a foreign law similar to the International Organizations Immunitie that has in effect a headquarters agreement with a foreign government;
	• The b	penefit of the entity's income does not inure to any private person; and
	• Is the	e beneficial owner of the payment and is not engaged in commercial financial activities of a type engaged in by an insurance company
		ial institution, or depository institution with respect to the payments, accounts, or obligations for which this form is submitted (except a ed in Regulations section 1.1471-6(h)(2)).
Part	XV	Exempt Retirement Plans
Check	box 29a	a, b, c, d, e, or f, whichever applies.
29a	□lce	rtify that the entity identified in Part I:
	Is est	ablished in a country with which the United States has an income tax treaty in force (see Part III if claiming treaty benefits);
	• Is ope	erated principally to administer or provide pension or retirement benefits; and
		titled to treaty benefits on income that the fund derives from U.S. sources (or would be entitled to benefits if it derived any such income sident of the other country which satisfies any applicable limitation on benefits requirement.
b	□lce	rtify that the entity identified in Part I:
		rganized for the provision of retirement, disability, or death benefits (or any combination thereof) to beneficiaries that are formerees of one or more employers in consideration for services rendered;
	• No si	ngle beneficiary has a right to more than 5% of the FFI's assets;
	• Is su	bject to government regulation and provides annual information reporting about its beneficiaries to the relevant tax authorities in the relevant tax authorities are relevant tax authorities and tax authorities are relevant tax authorities and tax authorities are relevant
	(i)	Is generally exempt from tax on investment income under the laws of the country in which it is established or operates due to its statu
	(1)	as a retirement or pension plan;
	(ii)	Receives at least 50% of its total contributions from sponsoring employers (disregarding transfers of assets from other plans describe in this part, retirement and pension accounts described in an applicable Model 1 or Model 2 IGA, other retirement funds described in an applicable Model 1 or Model 2 IGA, or accounts described in Regulations section 1.1471-5(b)(2)(i)(A));
	(iii)	Either does not permit or penalizes distributions or withdrawals made before the occurrence of specified events related to retirement disability, or death (except rollover distributions to accounts described in Regulations section 1.1471-5(b)(2)(i)(A) (referring to retirement and pension accounts), to retirement and pension accounts described in an applicable Model 1 or Model 2 IGA, or to other retirement funds described in this part or in an applicable Model 1 or Model 2 IGA); or
	(iv)	Limits contributions by employees to the fund by reference to earned income of the employee or may not exceed \$50,000 annually.
С	□lce	rtify that the entity identified in Part I:
		ganized for the provision of retirement, disability, or death benefits (or any combination thereof) to beneficiaries that are formerees of one or more employers in consideration for services rendered;
	• Has f	ewer than 50 participants;
	• Is spo	onsored by one or more employers each of which is not an investment entity or passive NFFE;
	pensio	oyee and employer contributions to the fund (disregarding transfers of assets from other plans described in this part, retirement an accounts described in an applicable Model 1 or Model 2 IGA, or accounts described in Regulations section 1.1471-5(b)(2)(i)(A)) are by reference to earned income and compensation of the employee, respectively;
	Partic	cipants that are not residents of the country in which the fund is established or operated are not entitled to more than 20% of the fund's assets; and

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Part	XV Exempt Retirement Plans (continued)
d	I certify that the entity identified in Part I is formed pursuant to a pension plan that would meet the requirements of section 401(a), other
	than the requirement that the plan be funded by a trust created or organized in the United States.
е	☐ I certify that the entity identified in Part I is established exclusively to earn income for the benefit of one or more retirement funds
	described in this part or in an applicable Model 1 or Model 2 IGA, or accounts described in Regulations section 1.1471-5(b)(2)(i)(A) (referring to retirement and pension accounts), or retirement and pension accounts described in an applicable Model 1 or Model 2 IGA.
f	I certify that the entity identified in Part I:
•	•
	• Is established and sponsored by a foreign government, international organization, central bank of issue, or government of a U.S. possession (each as defined in Regulations section 1.1471-6) or an exempt beneficial owner described in an applicable Model 1 or Model 2 IGA to provide retirement, disability, or death benefits to beneficiaries or participants that are current or former employees of the sponsor (or persons designated by such employees); or
	• Is established and sponsored by a foreign government, international organization, central bank of issue, or government of a U.S. possession (each as defined in Regulations section 1.1471-6) or an exempt beneficial owner described in an applicable Model 1 or Model 2 IGA to provide retirement, disability, or death benefits to beneficiaries or participants that are not current or former employees of such sponsor, but are in consideration of personal services performed for the sponsor.
Part	XVI Entity Wholly Owned by Exempt Beneficial Owners
30	☐ I certify that the entity identified in Part I:
	• Is an FFI solely because it is an investment entity;
	• Each direct holder of an equity interest in the investment entity is an exempt beneficial owner described in Regulations section 1.1471-6 or in an applicable Model 1 or Model 2 IGA;
	• Each direct holder of a debt interest in the investment entity is either a depository institution (with respect to a loan made to such entity) or an exempt beneficial owner described in Regulations section 1.1471-6 or an applicable Model 1 or Model 2 IGA.
	• Has provided an owner reporting statement that contains the name, address, TIN (if any), chapter 4 status, and a description of the type of documentation provided to the withholding agent for every person that owns a debt interest constituting a financial account or direct equity interest in the entity; and
	• Has provided documentation establishing that every owner of the entity is an entity described in Regulations section 1.1471-6(b), (c), (d), (e), (f) and/or (g) without regard to whether such owners are beneficial owners.
Part :	XVII Territory Financial Institution
31	I certify that the entity identified in Part I is a financial institution (other than an investment entity) that is incorporated or organized under
	the laws of a possession of the United States.
Part 2	
32	I certify that the entity identified in Part I:
	• Is a holding company, treasury center, or captive finance company and substantially all of the entity's activities are functions described in Regulations section 1.1471-5(e)(5)(i)(C) through (E);
	• Is a member of a nonfinancial group described in Regulations section 1.1471-5(e)(5)(i)(B);
	• Is not a depository or custodial institution (other than for members of the entity's expanded affiliated group); and
	• Does not function (or hold itself out) as an investment fund, such as a private equity fund, venture capital fund, leveraged buyout fund, or any investment vehicle with an investment strategy to acquire or fund companies and then hold interests in those companies as capital assets for investment purposes.
Part	XIX Excepted Nonfinancial Start-Up Company
33	I certify that the entity identified in Part I:
	• Was formed on (or, in the case of a new line of business, the date of board resolution approving the new line of business)
	(date must be less than 24 months prior to date of payment);
	• Is not yet operating a business and has no prior operating history or is investing capital in assets with the intent to operate a new line of business other than that of a financial institution or passive NFFE;
	• Is investing capital into assets with the intent to operate a business other than that of a financial institution; and
	• Does not function (or hold itself out) as an investment fund, such as a private equity fund, venture capital fund, leveraged buyout fund, or any investment vehicle whose purpose is to acquire or fund companies and then hold interests in those companies as capital assets for investment purposes.
Part	XX Excepted Nonfinancial Entity in Liquidation or Bankruptcy
34	I certify that the entity identified in Part I: • Filed a plan of liquidation, filed a plan of reorganization, or filed for bankruptcy on ;
	• During the past 5 years has not been engaged in business as a financial institution or acted as a passive NFFE;
	 Is either liquidating or emerging from a reorganization or bankruptcy with the intent to continue or recommence operations as a nonfinancial entity;
	 Has, or will provide, documentary evidence such as a bankruptcy filing or other public documentation that supports its claim if it remains in bankruptcy or liquidation for more than 3 years.

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Part	XX	
35		I certify that the entity identified in Part I is a 501(c) organization that:
		Has been issued a determination letter from the IRS that is currently in effect concluding that the payee is a section 501(c) organization that is ated ; or
	•	Has provided a copy of an opinion from U.S. counsel certifying that the payee is a section 501(c) organization (without regard to whether the ayee is a foreign private foundation).
Part	XX	Nonprofit Organization
36		I certify that the entity identified in Part I is a nonprofit organization that meets the following requirements.
	•	The entity is established and maintained in its country of residence exclusively for religious, charitable, scientific, artistic, cultural or educational purposes;
	•	The entity is exempt from income tax in its country of residence;
	•	The entity has no shareholders or members who have a proprietary or beneficial interest in its income or assets;
	to ch	Neither the applicable laws of the entity's country of residence nor the entity's formation documents permit any income or assets of the entity be distributed to, or applied for the benefit of, a private person or noncharitable entity other than pursuant to the conduct of the entity's naritable activities or as payment of reasonable compensation for services rendered or payment representing the fair market value of property hich the entity has purchased; and
	di of	The applicable laws of the entity's country of residence or the entity's formation documents require that, upon the entity's liquidation or ssolution, all of its assets be distributed to an entity that is a foreign government, an integral part of a foreign government, a controlled entity a foreign government, or another organization that is described in this part or escheats to the government of the entity's country of sidence or any political subdivision thereof.
Part 2	XX	Publicly Traded NFFE or NFFE Affiliate of a Publicly Traded Corporation
Check	bo	x 37a or 37b, whichever applies.
37a		I certify that:
	•	The entity identified in Part I is a foreign corporation that is not a financial institution; and
		The stock of such corporation is regularly traded on one or more established securities markets, including
	(n	ame one securities exchange upon which the stock is regularly traded).
b		I certify that:
	•	The entity identified in Part I is a foreign corporation that is not a financial institution; The entity identified in Part I is a member of the same expanded affiliated group as an entity the stock of which is regularly traded on an stablished securities market;
	•	The name of the entity, the stock of which is regularly traded on an established securities market, is ; and
	•	The name of the securities market on which the stock is regularly traded is
Part 2	XX	V Excepted Territory NFFE
38		I certify that:
	•	The entity identified in Part I is an entity that is organized in a possession of the United States;
	•	The entity identified in Part I:
		(i) Does not accept deposits in the ordinary course of a banking or similar business;
		(ii) Does not hold, as a substantial portion of its business, financial assets for the account of others; or
		(iii) Is not an insurance company (or the holding company of an insurance company) that issues or is obligated to make payments with
	_	respect to a financial account; and
Dovi		All of the owners of the entity identified in Part I are bona fide residents of the possession in which the NFFE is organized or incorporated.
Part	$\frac{\lambda\lambda}{\Box}$	
39		I certify that:
		The entity identified in Part I is a foreign entity that is not a financial institution; Less than 50% of such entity's gross income for the preceding calendar year is passive income; and
		Less than 50% of the assets held by such entity are assets that produce or are held for the production of passive income (calculated as a
		eighted average of the percentage of passive assets measured quarterly) (see instructions for the definition of passive income).
Part 2		
40a		I certify that the entity identified in Part I is a foreign entity that is not a financial institution (other than an investment entity organized in a possession of the United States) and is not certifying its status as a publicly traded NFFE (or affiliate), excepted territory NFFE, active NFFE, direct reporting NFFE, or sponsored direct reporting NFFE.
Check	c bo	x 40b or 40c, whichever applies.
b	Ĺ	I further certify that the entity identified in Part I has no substantial U.S. owners (or, if applicable, no controlling U.S. persons); or
C		I further certify that the entity identified in Part I has provided the name, address, and TIN of each substantial U.S. owner (or, if applicable, controlling U.S. person) of the NFFE in Part XXIX.

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Part	XXVII Excepted In	ter-Affiliate FFI			·						
41	☐ I certify that the ent	ity identified in Part I:									
	• Is a member of an expar	nded affiliated group;									
				mbers of its expanded affiliated g	roup);						
				of its expanded affiliated group;							
	• Does not hold an account (other than depository accounts in the country in which the entity is operating to pay for expenses) with or reconstruction payments from any withholding agent other than a member of its expanded affiliated group; and										
	 Has not agreed to repoinstitution, including a me 			ise act as an agent for chapter 4 pt	urposes on behalf of any financia						
Part	XXVIII Sponsored I	Direct Reporting	NFFE (see instructions for	when this is permitted)							
42	Name of sponsoring ent	· -									
43				ponsored by the entity identified	on line 42.						
Par	XXIX Substantial	U.S. Owners of P	assive NFFE								
subst		ing the form to an FFI t	treated as a reporting Model 1 Fl	owner of the NFFE. Please see th FI or reporting Model 2 FFI, an NF							
	Name		Addre	ss	TIN						
-											
Par	t XXX Certification										
			nformation on this form and to the be	est of my knowledge and belief it is tru	e correct and complete I further						
	under penalties of perjury that		normation on the form and to the be	ot of my knowledge and belief it is the	s, correct, and complete. Harrier						
	 The entity identified on linguistry purposes, or is a merchant 			hich this form relates, is using this fo	rm to certify its status for chapter 4						
	The entity identified on lin	e 1 of this form is not a U.	.S. person;								
		` '	ectively connected with the conduct one partner's share of a partnership's e	of a trade or business in the United St effectively connected income: and	ates, (b) effectively connected but is						
	-		eneficial owner is an exempt foreign p	-							
Furthe		_	· - ·	or custody of the income of which the	entity on line 1 is the beneficial						
			ments of the income of which the en		, , , , , , , , , , , , , , , , , , , ,						
I agree	e that I will submit a new for	m within 30 days if any c	ertification on this form becomes i	ncorrect.							
Si~~	Horo A										
Sign	Signature of	of individual authorized to	sign for beneficial owner	Print Name	Date (MM-DD-YYYY)						
	Octify th	nat I have the canacity	to sign for the entity identified	on line 1 of this form							
	i certily tr	iat i nave the capacity	to sign for the entity identified	on mic i oi uns lottii.							
				F	orm W-8RFN-F (Rev. 7-2017						



New Account Form Beneficial Owner of Legal Entity

Date			Document prepared by:								
Bank Secrecy Actcustomer; (ii) one n	The "Rule" requatural person	uires identification with "significant	n of: (i) ea responsibilit	ach person that di ry to control, man	rectly or indired age or direct"	ctly owns 25% a legal entity	% or more of the customer; and, (egal entity customers under the equity interests of a legal entity iii) verify the identities of those me exemptions may apply.			
			Secti	on 1: ACCOUN	T INFORMA	TION					
Name of Entity:											
Tax ID Number of	Entity:										
Name and Address	s of Legal Ent	ity for which the	account	is being opened							
	C	0 DED0		LINIC ANI ACCO	LINIT ON DEL		FCAL ENTITY				
	36			NING AN ACCO							
Name of Person Op	oning Acct	(-, -, -, -, -, -, -, -, -, -, -, -, -, -									
Mairie di Fersori Op	Pering Acct										
Date of Birth											
Address Residence	/Business										
US - Social Security	Number										
Foreign, Passport #	and Country										
Section 3: EACH	INDIVIDU <i>E</i> THE	AL, IF ANY, WI LEGAL ENTITY	HO, DIRE LISTED	CTLY OR INDI ABOVE. IF NO	RECTLY, OW ONE, PLEASE	/NS 25% C WRITE "N	R MORE OF TH OT APPLICABL	IE EQUITY INTERESTS OF E"			
Name		Date of Bi	th	Addr	ess	US Perso	n: SS Number	Foreign Person: Passport & Country of Issue			

Section 4: SIGNIFICANT RESPONSIBILITY

At a minimum, it is required to collect the following information for one individual with significant responsibility for managing the legal entity listed above. Persons deemed to hold responsibility include the following: an Executive Officer, or Senior Manager, examples include the Chief Executive Officer, Chief Compliance Officer, Chief Operating Officer, Managing Member, General Partner, President, Vice-President, Treasurer, or ANY OTHER INDIVIDUAL WHO REGULARLY PERFORMS SIMILAR FUNCTIONS. An individual listed above may also be listed in this section.

Name	Date of Birth	Address	US Person: SS Number	Foreign Person: Passport & Country of Issue				
Section 5: CERTIFICATION AND SIGNATURE								

		Section	on 5: CERTIFICATIO	ON AND	SIGNATURE		
I, hereby certify, to th	e best of r	ny knowledge, that the info	ormation provided abov		, (name of natural person op plete, accurate and current		ccount)
Signature							
Legal Entity Inder	ntifier				Date		
			Section 6: INTERN	IAL USE	ONLY		
RR Name			RR Signature			Date	
GSP Name			GSP Signature			Date	

Online Access and Electronic Delivery Form

Financial Organization Name		
You may use this form to:		YOUR FINANCIAL
• Create a User ID and temporary password for online	access	ORGANIZATION WILL
• Link additional accounts to an existing User ID		PROVIDE YOU WITH THE NAME OF THE WEBSITE
• Provide instructions to establish electronic delivery (e-delivery) of brokerage account communications	THROUGH WHICH YOU WILL ACCESS YOUR
Change delivery instructions for accounts linked to a	n existing User ID	ACCOUNTS.
STEP 1. ACCOUNT OWNER INFORMATION		
Primary Account Owner Name		ALL FIELDS ARE REQUIRED.
Mother's Maiden Name	Account Owner's Date of Birth — —	ONE VALID EMAIL ADDRESS MUST
Email address	BE PROVIDED FOR DELIVERY OF NOTIFICATION EMAILS.	
If You Have an Existing User ID, Please Provide it Here	NOTICES RELATED TO	
If you are requesting a new User ID, indicate your first of 7 and maximum of 15 characters, are NOT case sen User ID Desired (first choice)	ONLINE ACTIVITY MAY BE SENT TO THIS EMAIL ADDRESS.	
	User ID Desired (second choice)	
STEP 2. ELECTRONIC DELIVERY PREFERENCE	res	
Your account statements and the other documents be	low will be sent via electronic delivery (e-delivery) for tead of receiving them on paper, you must access your online, where you can also choose e-delivery for tax	
We will default to eDelivery of the following unl	ess checked below:	
Paper account statements		
Paper account notifications ²		
Paper trade confirmation/advices		
☐ Paper Quarterly Performance Reports ³		
	eorganization Material communications via e-delivery for PIN and write this number in the space provided below.	
Four-Digit PIN		

- ¹ Tax documents are also available via electronic delivery; however, enrollment must be done online by the account owner. Please contact your financial organization for assistance.
- ² Please contact your financial organization for a list of the specific notifications eligible for electronic delivery.
- ³ Please contact your financial organization to confirm availability of Quarterly Performance Reports for your account(s).
- ⁴ A four-digit PIN is required for electronic delivery of proxy communications. For managed accounts, changes to delivery preferences for proxy and shareholder communications may need to be initiated by your advisor or money manager.





User ID and Electronic Delivery Request

Account Number					

STEP 3. LINK ACCOUNTS TO THE USER ID

Please list all accounts that should be linked to this User ID. For U.S. accounts, the Social Security number of the primary account holder must be affiliated, either as an account owner or participant, on the account numbers provided below. If the primary account holder above is not an owner on all accounts listed below, each account owner must sign in Step 5.

If you select to receive Proxy, Shareholder Communications and Reorganization Materials electronically for the accounts linked to this user ID, you must choose a four-digit PIN and write this number in the space provided below. You must read and agree to the Electronic Delivery Agreement in Step 4 and sign in Step 5.

	ACCOUNT ACCESS ONLY	ELEC	TRONIC DELIVERY	
	Link to Primary Account	Proxy and Shareholder Communications (PIN required		
Primary Account Number				
Account Number			PIN	
Account Number			PIN	
Account Number			PIN	
Account Number			PIN	

IF YOU ARE LINKING MORE THAN FIVE ACCOUNTS, PLEASE ATTACH ADDITIONAL ACCOUNT INFORMATION.

STEP 4. INVESTOR TERMS AND CONDITIONS

Electronic Delivery Terms and Conditions

"You" means the account owner(s) of the account.

"Account Communications" means account statements, trade confirmations or other notices, disclosures and other information related to your account including without limitation quarterly, semi-annual or annual shareholder reports, proxy statements, and legal and regulatory notices and documents.

"<u>Authorized User</u>" means a person that you have authorized to be provided a user ID which enables access to your account online.

You agree that your financial organization and your clearing broker Pershing LLC (Pershing) may make the account communications available in an electronic form as described herein instead of mailing them in paper form.

Account communications will be made available to you online via a website maintained by Pershing on behalf of your financial organization (the "website"). Account communications will be available in portable document format (PDF). You affirm that you have installed a recent version of Adobe Acrobat Reader or other software application that enables you to view and print your account communications. You may print or save a copy of any of the account communications at any time. You may request a mailed copy of any of your account communications by contacting your financial organization.

An electronic mail ("email") notification will be sent when account communications are available to be accessed on the website. The email will provide you with the URL of the website. The email notification(s) will be sent to the email address(es) you provided directly to your financial organization or provided by registering on the website. You may view and verify your email address(es) via the website, and change the email address(es) through the website or by contacting your financial organization.

In the event that a notice of undeliverable status of an email notification is received by Pershing, your financial organization or Pershing may send a paper notification by U.S. mail to the postal address you provided directly to your financial organization. The paper notification will notify you of the availability of Account Communications on the website, provide the URL of the website where account communications may be accessed, and direct you to update your email address of record in paper form.

In the event of an email notification failure as defined by Pershing, Pershing may discontinue your enrollment in electronic delivery and reset your account communications delivery preferences so that future documents will be delivered to your mailing address of record in paper form. If you lose access to the website, you should contact your financial organization to have your access reinstated. By providing this Electronic Delivery Consent, you affirm that you have provided a valid email address directly to your financial organization or by registering on the website, have access to the Internet and are at least 18 years of age. You agree that electronic delivery of the account communications is deemed accepted, regardless of whether you access or view a particular account communication document. You acknowledge that any authorized users for your account are able to make changes to the electronic delivery settings for your account, and you agree to accept responsibility for such changes.

You may change your delivery preferences, such as resuming applicable paper account communications, by following the instructions on the website, or by contacting your financial organization directly for assistance.

User ID and Electronic Delivery Request

Account Number

Website Access Terms and Conditions

"You" means the account owner(s) of the account.

"Authorized User" means a person that you have authorized to be provided an additional user ID which enables access to your account online.

"Website" means the website maintained by Pershing LLC on behalf of your financial organization that enables you to access your account information and perform other activities.

You expressly agree and acknowledge that your use and any authorized users' use of the website is subject to the terms and conditions of use that are posted on the website, including without limitation any disclaimers of warranties and other notices therein. Such terms and conditions may be amended from time to time by posting them on the website. Continued use of the website by you or your authorized users will constitute your acceptance of the then-current terms and conditions.

You agree that you are solely responsible for: (a) safeguarding and keeping confidential your password and user IDs that you and your authorized users use to access the website and any information that is retrieved from the website. You agree that you and your authorized users will only access the website from devices with industry standard anti-virus/anti-malware protection. You agree to accept responsibility for all activities that occur under such user ID(s) or password(s).

You agree to immediately notify your financial institution if: (i) the passwords or user IDs are lost or stolen, or (ii) you become aware of any unauthorized use of the passwords, user IDs, or access to your accounts that may be related to your use of the website. You agree that the providers of the website are not liable for any loss or damage arising from any activity that occurs via the use of your password and/or user ID.

STEP 5. SIGNATURES

By signing below you represent that you have read and understand Step 4, Investor Terms and Conditions.

Date

Primary Account Owner

Print name

Signature							
X							
Additional Account Owner							
Print name	Date	9					
			<u> </u>				
Signature							
X							
Additional Account Owner							
Print name	Date	e					
			_		_		
Signature							
X							
= =							

Additional Account Owner

Print name	Date					
		-	.	—		
Signature						
X						

FOR OFFICE USE ONLY	
Provide Access to: DEFAULT/NetXInvestor	Other Profile:

EACH ACCOUNT

OWNER MUST SIGN THIS FORM.