Schwab Global Account[™] and Schwab One[®] Brokerage Account Combination Application

Schwab.com | 1-800-992-4685 (inside the U.S.)

- Use this application to open a **new** Schwab One Brokerage Account and an associated Schwab Global Account.
- This personal account application cannot be used if you have one of the account types below; for assistance, call the number above.
 - A corporate, business, trust, organizational, or international account.
 - Retirement and custodial account types are not eligible for a Schwab Global Account.
- The Schwab Global Account works together with, and must be associated with, a Schwab One Account. The Account Holder name(s), address(es), email address(es), Trading Authority (TA), and Power(s) of Attorney (POA) must be identical at all times between the Schwab One Brokerage Account and the Schwab Global Account.
- Your new Schwab One Brokerage Account and your new Schwab Global Account will be separate accounts with different account numbers and different account features. The Schwab One Brokerage Account, for example, will have a cash feature and the ability to trade on margin. Your Schwab Global Account will not have those features. Please carefully review the Schwab One Brokerage Account features and the Schwab Global Account features in Sections 5 and 6 on the following pages.
- To add a TA to your Schwab One Brokerage Account and associated Schwab Global Account, the Account Holder name(s) and TA(s) must be identical at all times between the Schwab One Account and the Schwab Global Account.
- · Visit schwab.com/forms, click Topics, and then click Schwab Global Account to download the Trading and Withdrawal Authorization form.
- If you wish to **only** open a Schwab One Brokerage Account, you will need to complete a different Schwab One Brokerage Account Application. For more information, call 1-800-435-4000.
- · For important disclosures about our relationship with you and the services we can provide, please visit schwab.com/transparency.

1. This Section Helps You Determine Your Eligibility for a Schwab Global Account

- If you are affiliated with or employed by a stock exchange or member firm of an exchange or FINRA, or a municipal securities broker-dealer, you must attach a letter from your employer approving the establishment of your account when submitting this Application.
- If you are a director, 10% shareholder, or policy making officer of a publicly held company primarily listed on a stock exchange offered in the Schwab Global Account product, you are not eligible for an account.
- · You must be a U.S. citizen or a U.S. resident alien and have a U.S. mailing address.

2. Account Ownership

Choose your account ownership. Please check only one box.

Individual

- Tenants in Common—Your share of the account will pass to your estate in the event of your death.
- □ Joint Tenants With Right of Survivorship—Your share of the account will pass to a surviving owner in the event of your death.
- Community Property*—Each spouse has a one-half interest in the account assets and equal responsibility for account activity. For married couples in selected states.
- Community Property With Rights of Survivorship*—Your share of the account will pass to your spouse in the event of your death. For married couples in selected states.
- Tenants by the Entirety*—Spouses own the account jointly. For married couples in selected states.
- *This type of ownership may not be available in your state.



3. Account Holder Information

The information provided in this section will be used by Schwab to open and service both your Schwab One® Brokerage Account and your associated Schwab Global Account[™].

Account Holder

Name (First)	(Middle)		(Last)		
Home/Legal Street Address (no P.O. boxes)		City		State	Zip Code
Mailing Address (if different from above; P.O. boxes may be used)		City		State	Zip Code
Home Telephone Number	Business Telephone Number		Cellular Telepho	ne Number	
Email Address* (Required to update your account on the web.)		Social Security/Tax ID Number Date of Birth (mm/dd/yyyy)			m/dd/yyyy)
Mother's Maiden Name		Are you known by any other name	e? Specify:		
ID Number		Place of Issuance			Expiration Date (mm/dd/yyyy)
Driver's License	State Passport				
Country(ies) of Citizenship (Must list all.)			Country of Lega		
USA Other:	Other:		USA Ot	her:	

*By providing your email address, you consent to receiving email from Schwab. Information about opting out of certain email communications is provided at schwab.com/privacy.

We respect your privacy. Charles Schwab & Co., Inc. ("Schwab") will use the information you provide to open and service your accounts, communicate with you and provide information about products and services. Read about Schwab's privacy policy at schwab.com/privacy. As required by federal law, Schwab will use the information provided below to verify your identity.

Securities industry regulations require that we collect the following information:

Employment Status (Select only one.)		Employer Name/Business Name						
Employed Self-employed Ref	tired Homemaker Student Not employed							
Occupation (If you selected "Employed" or "Self-Employed," select one option that best describes your occupation.)								
Business Owner/Self-Employed	Financial Services/Banking Professional	Military	Consultant					
Executive/Senior Management	Information Technology Professional	Educator	Other (Specify.):					
Medical Professional	Other Professional	Clerical/Administrative Ser	rvices					
Legal Professional	U.S. Government Employee (Federal/State/Local)	Trade/Service (Labor/Man	ufacturing/Production)					
Accounting Professional	Foreign Government Employee (Non-U.S.)	Sales/Marketing						
Business Street Address		City	State	Zip Code				
	ck exchange or member firm of an exchange or FINRA, or a							
No Yes (If "yes," you must atta	ach a letter from your employer approving the establishmer	nt of your account when submitting thi	is application.)					
Are you a director, 10% shareholder or polic	cy-making officer of a publicly held company?							
No Yes (If "yes," you are inelig	sible to open a Schwab Global Account. Contact Schwab to	obtain the correct account opening for	orm.)					
Marital Status		Number of Dependents						
Single Married Divorced	Widowed							
Investment Experience	Investment Experience							
□ None □ Limited □ Good □ Ex	tensive							
Annual Income								
Under \$15,000 \$15,000-\$24,999 \$25,000-\$49,999 \$50,000-\$99,999 \$100,000 or more								
Liquid Net Worth								
Under \$25,000 \$25,000-\$49,9	99 \$50,000-\$99,999 \$100,000-\$249,999	\$250,000 or more (Specify.) : _						



3. Account Holder Information (Continued)

Trusted Contact Designation

A Trusted Contact Person ("Trusted Contact")* is a resource Schwab, and your advisor (if you have one), may contact on your behalf, if necessary, to attempt to address concerns regarding potential financial exploitation, or in communicating with you regarding issues related to your account(s). A Trusted Contact will not be able to view your account information, execute transactions in your account(s), or inquire about account activity, unless that person has that authority through another role on the account(s), such as a trustee or power of attorney. Providing Schwab with Trusted Contact information is voluntary. We encourage you to provide two Trusted Contacts in the event that one is not reachable in the future.

- Schwab suggests that your Trusted Contact(s) be someone other than your financial consultant or investment advisor.
- · You may name up to two Trusted Contacts.
- The person(s) you name as Trusted Contact(s) will be the Trusted Contact(s) on all of your Schwab accounts, as provided for in your account agreement.
- · For multiple-party accounts, each party can name separate Trusted Contacts.
- The Trusted Contact(s) must be at least 18 years old.

Trusted Contact Information

Trusted Contact information provided on this form will replace all Trusted Contact information currently on file.

Person 1

lf yc	u have	no	changes	to you	r existing	Trusted	Contact,	please	skip this	section

Name (Title, First)	(Middle Name)		(Last Name, Suffix)		
Relationship (Please select only one.)					
Spouse Partner Child Parent Sibling	Friend Other				
Please provide at least one method of contact for	or each Trusted Contact liste	d.			
Mailing Address (No P.O. Boxes)		City			
State or Province	Country		Postal or Zip Code		
Home Phone	Mobile Phone		Email Address		
Person 2 If you have no changes to your existing Trusted C	Contact, please skip this sec	tion.	· · · · · · · · · · · · · · · · · · ·		
Name (Title, First)	(Middle Name)		(Last Name, Suffix)		
Relationship (Please select only one.)					
Spouse Partner Child Parent Sibling	Friend Other				
Please provide at least one method of contact for	or each Trusted Contact liste	d.			
Mailing Address (No P.O. Boxes)		City			
State or Province	Country		Postal or Zip Code		
Home Phone	Mobile Phone		Email Address		

*If you provide a Trusted Contact Person(s) to Schwab, you understand that you have authorized Schwab and your advisor (if you have one) to contact the Trusted Contact Person(s) at their discretion and to disclose information about your account to address possible activities that might indicate financial exploitation of you; to confirm the specifics of your current contact information, health status (including physical or mental capacity), or the identity of any legal guardian, executor, trustee, or holder of a power of attorney on your account(s); or as otherwise permitted by FINRA rules or state law. For more information, please see your Schwab Account Agreement, which is available at schwab.com/accountagreement.



3. Account Holder Information (Continued)

Additional Account Holder (if applicable)

Name (First)	(Middle)		(Last)		
Home/Legal Street Address (no P.O. boxes)		City		State	Zip Code
Mailing Address (if different from above; P.O. boxes may be used)		City		State	Zip Code
Home Telephone Number	Business Telephone Number		Cellular Telepho	ne Number	
Email Address* (Required to update your account on the web.)		Social Security/Tax ID Number		Date of Birth (m	m/dd/yyyy)
Mother's Maiden Name		Are you known by any other name	e? Specify:		
ID Number		Place of Issuance			Expiration Date (mm/dd/yyyy)
Driver's License	State Passport				
Country(ies) of Citizenship (Must list all.)			Country of Lega	I Residence	
USA Other:	Other:		USA Ot	her:	

*By providing your email address, you consent to receiving email from Schwab. Information about opting out of certain email communications is provided at schwab.com/privacy.

Securities industry regulations require that we collect the following information:

Employment Status (Select only one.)		Employer Name/Business Name						
Employed Self-employed Ret	ired Homemaker Student Not employed							
Occupation (If you selected "Employed" or	r "Self-Employed," select one option that best describes y	our occupation.)						
Business Owner/Self-Employed	Financial Services/Banking Professional	Military	Consultant					
Executive/Senior Management	Information Technology Professional	Educator	Other (Specify.):					
Medical Professional	Other Professional	Clerical/Administrative Servi	ices					
Legal Professional	U.S. Government Employee (Federal/State/Local)	Trade/Service (Labor/Manuf	acturing/Production)					
Accounting Professional	Foreign Government Employee (Non-U.S.)	Sales/Marketing						
Business Street Address		City	State Zip Code					
	ck exchange or member firm of an exchange or FINRA, or a r	nunicipal securities broker-dealer?						
No Yes (If "yes," you must atta	ach a letter from your employer approving the establishmen	t of your account when submitting this	application.)					
	cy-making officer of a publicly held company?							
No Yes (If "yes," you are inelig	jible to open a Schwab Global Account. Contact Schwab to	obtain the correct account opening for	n.)					
Marital Status		Number of Dependents						
Single Married Divorced	Widowed							
Investment Experience								
None Limited Good Ex	tensive							
Annual Income								
Under \$15,000 \$15,000-\$24,999 \$\$25,000-\$49,999 \$\$50,000-\$99,999 \$\$100,000 or more								
Liquid Net Worth								
Under \$25,000 \$25,000-\$49,9	99 \$50,000-\$99,999 \$100,000-\$249,999	\$250,000 or more (Specify.) :						



3. Account Holder Information (Continued)

Trusted Contact Designation

A Trusted Contact Person ("Trusted Contact")* is a resource Schwab, and your advisor (if you have one), may contact on your behalf, if necessary, to attempt to address concerns regarding potential financial exploitation, or in communicating with you regarding issues related to your account(s). A Trusted Contact will not be able to view your account information, execute transactions in your account(s), or inquire about account activity, unless that person has that authority through another role on the account(s), such as a trustee or power of attorney. Providing Schwab with Trusted Contact information is voluntary. We encourage you to provide two Trusted Contacts in the event that one is not reachable in the future.

- Schwab suggests that your Trusted Contact(s) be someone other than your financial consultant or investment advisor.
- · You may name up to two Trusted Contacts.
- The person(s) you name as Trusted Contact(s) will be the Trusted Contact(s) on all of your Schwab accounts, as provided for in your account agreement.
- \cdot For multiple-party accounts, each party can name separate Trusted Contacts.
- The Trusted Contact(s) must be at least 18 years old.

Trusted Contact Information

Trusted Contact information provided on this form will replace all Trusted Contact information currently on file.

Person 1

lf yc	u have	no	changes	to you	r existing	Trusted	Contact,	please	skip this	section

Name (Title, First)	(Middle Name)		(Last Name, Suffix)		
Relationship (Please select only one.)					
Spouse Partner Child Parent Sibling	Friend Other				
Please provide at least one method of contact for	or each Trusted Contact liste	d.			
Mailing Address (No P.O. Boxes)		City			
State or Province	Country		Postal or Zip Code		
Home Phone	Mobile Phone		Email Address		
Person 2 If you have no changes to your existing Trusted C	Contact, please skip this sec	tion.	· · · · · · · · · · · · · · · · · · ·		
Name (Title, First)	(Middle Name)		(Last Name, Suffix)		
Relationship (Please select only one.)					
Spouse Partner Child Parent Sibling	Friend Other				
Please provide at least one method of contact for	or each Trusted Contact liste	d.			
Mailing Address (No P.O. Boxes)		City			
State or Province	Country		Postal or Zip Code		
Home Phone	Mobile Phone		Email Address		

*If you provide a Trusted Contact Person(s) to Schwab, you understand that you have authorized Schwab and your advisor (if you have one) to contact the Trusted Contact Person(s) at their discretion and to disclose information about your account to address possible activities that might indicate financial exploitation of you; to confirm the specifics of your current contact information, health status (including physical or mental capacity), or the identity of any legal guardian, executor, trustee, or holder of a power of attorney on your account(s); or as otherwise permitted by FINRA rules or state law. For more information, please see your Schwab Account Agreement, which is available at schwab.com/accountagreement.



4. Required Information About the Accounts

Overall Investment Objective(s) of Your Schwab One® Brokerage Account (Check all that apply.)

□ Capital Preservation. You are seeking to minimize the potential of losing your initial investment.

- □ Income. You are seeking the continued receipt of current income while recognizing and accepting the risks of income-generating investments.
- Growth. You are seeking to increase the value of your investments over time while accepting price fluctuations and volatility.
- Speculation. You are willing to assume a higher risk of loss in exchange for potentially higher returns.

Overall Investment Objective(s) of Your Schwab Global Account™ (Check all that apply.)

- **Capital Preservation.** You are seeking to minimize the potential of losing your initial investment.
- □ Income. You are seeking the continued receipt of current income while recognizing and accepting the risks of income-generating investments.
- Growth. You are seeking to increase the value of your investments over time while accepting price fluctuations and volatility.
- Speculation. You are willing to assume a higher risk of loss in exchange for potentially higher returns.

Source of Funds for Your Schwab One Brokerage Account and Your Schwab Global Account (Check all that apply.)

In this section, we're collecting information about the categories ("sources") of assets that will be held in your accounts. Please select all of the sources of the assets that will be deposited or held in your accounts, including the original sources of any assets that will be transferred into the accounts from another firm.

Salary/Wages/Savings	Investment Capital Gains
Social Security Benefits	Gifts
□ Sale of Property or Business	Gambling/Lottery
□ Family/Relatives/Inheritance	Other (Please specify.):
Purpose of Your Schwab One Brokerage	e Account (Check all that apply.)
General Investing	
Investing for Estate Planning	
Investing for Tax Planning (e.g., mun	icipal bonds, etc.)
Investing for College	
Investing for Retirement	
Investment of Pooled Assets (e.g., fu	unds from individual investors that are aggregated for investing purposes)
Other (Please specify.):	
Purpose of Your Schwab Global Accourt	tt (Check all that apply.)
General Investing	
Investing for Estate Planning	
Investing for Tax Planning (e.g., muni-	icipal bonds, etc.)
Investing for College	
Investing for Retirement	
Investment of Pooled Assets (e.g., full	unds from individual investors that are aggregated for investing purposes)
Other (Please specify.):	
Anticipated Activity of Your Schwab Gl	ohal Account

Anticipated Activity of Your Schwad Global Account

On average, approximately how many times per month do you anticipate completing international wires from your Schwab Global Account? (Check only one.)

- Less than 5 times per month
- \Box 5 to 10 times per month
- □ 11 to 20 times per month
- ☐ More than 20 times per month



5. Schwab One® Brokerage Account Features

Margin

A margin account allows you to borrow against your eligible securities. You can use a margin loan to purchase additional securities, to sell securities short, to obtain short-term financing, or as a source of overdraft protection. To better understand the benefits and risks of margin, please refer to the Margin Disclosure Statement and the Schwab One Account Agreement. To learn more about margin, we encourage you to use the educational materials available at schwab.com/margin_education.

Margin is not available on your Schwab Global Account[™] but will be automatically included on your Schwab One Brokerage Account unless you check this box.

Do NOT add margin.

Your Consent to Enroll in Schwab's Cash Features Program

The Cash Features Program is a service that we provide that permits the uninvested cash or "free credit balance" in your Account to earn income while those funds remain uninvested. Additional information about the Cash Features Program and each Cash Feature is available in the Cash Features Disclosure Statement.

The Bank Sweep feature is an available Cash Feature for brokerage accounts of account holders residing in the U.S. Through the Bank Sweep feature, Schwab automatically makes deposits to and withdrawals from deposit accounts at one or more banks affiliated with Schwab ("Sweep Banks"). Your deposits at each Sweep Bank are insured by the Federal Deposit Insurance Corporation (FDIC) up to \$250,000 (including principal and accrued interest) when aggregated with all other deposits held by you in the same insurable capacity at that bank. Your funds may be placed in a Sweep Bank in excess of the FDIC insurance limit. In certain limited circumstances, Schwab may place your funds in a sweep money market fund. Please see the Cash Features Disclosure Statement for additional information.

By signing this Application, you consent to participate in Schwab's Cash Features Program, as described in the Cash Features Disclosure Statement, and you also consent to having the Bank Sweep feature as your designated Cash Feature.

You understand and agree that Schwab can (1) make changes to the terms and conditions of the Cash Features Program; (2) make changes to the terms and conditions of any Cash Feature; (3) change, add, or discontinue any Cash Feature; (4) change your investment from one Cash Feature to another if you become ineligible for your current Cash Feature or your current Cash Feature is discontinued; and (5) make any other changes to the Cash Features Program or Cash Feature as allowed by law. Schwab will notify you in writing of changes to the terms of the Cash Features, changes to the Cash Features we make available, or changes to the Cash Features Program prior to the effective date of the proposed changes.

Paperless Document Enrollment

Here's how paperless works: You will receive account statements, trade confirmations, shareholder materials, account agreements and related disclosures, and other regulatory documents, if available in paperless form, by email. For certain documents, including account statements, you will receive an email notification with a link to log on to our secure website to access your documents. For complete information, please see Important Information About Your Informed Consent to Receive Paperless Documents in the Appendix to this application.

To opt for Paperless Documents, simply provide your email address in Section 3. The completion of your enrollment will depend on one of the following scenarios.

Scenario 1:

If you already have an account enrolled in Paperless Documents using the email address provided in Section 3, have logged on to Schwab.com in the past six months, and agree to the following, your paperless enrollment will be complete once your account is opened.

- I have read and understood the Important Information About Your Informed Consent to Receive Paperless Documents in the Appendix to this application and consent to enrolling this account in Paperless Documents.
- · I understand that I will receive an email with my new account agreement and related disclosures.
- Or

Scenario 2:

If you do not have an existing account enrolled in Paperless Documents, are using a different email address, or have not logged on to Schwab.com in the past six months, we will send you an email after the account is opened. To complete enrollment, you will need to click the "I Consent" button in that email and/or follow the instructions to access Schwab.com. If you do not click the "I Consent" button, this account will not be enrolled in Paperless Documents and we will send your account agreement and related disclosures, as well as future regulatory documents, by postal mail.

If you do not want to participate in Paperless Documents, please check the box below.

🗌 No, do not enroll my account in Paperless Documents. Please send my regulatory documents via postal mail.

Checks and Visa® Platinum Debit Cards

Select one of the following options to access the cash in your Schwab One Brokerage Account:

Checks only Checks and Visa Debit Card

□ Checks and two Visa Debit Cards*

FOR CHARLES SCHWA	FOR CHARLES SCHWAB USE ONLY:														
Branch Office and Account Number			—					—							
Customer ID Number Source Code															
Approved By					Print	Name	of App	over		Date					



5. Schwab One® Brokerage Account Features (Continued)

Anticipated Activity

On average, how many times per month do you anticipate writing checks and/or making ATM withdrawals? (Check only one.)

□ Less than 5 times per month □ 5 to 10 times per month □ 11 to 20 times per month □ More than 20 times per month

Upon receipt of your starter checks, you may contact a Schwab representative to order additional customized checks at no cost.

 $* {\tt Second Visa}^{\circledast} {\tt Debit Card available for issuance only in Additional Account Holder's name.}$

6. Schwab Global Account[™] Features

Margin Trading

Your Schwab Global Account is a cash-up-front account and is not eligible for margin trading.

Cash Features

There are no Cash Features associated with your Schwab Global Account. Free credit balances held in the Schwab Global Account will not be swept to a sweep money fund or a bank and will not earn interest.

Electronic Trade Confirmations ("eConfirms")

The Schwab Global Account defaults all accounts to paper delivery. If you are interested in receiving your confirms electronically, you will be able to enroll in eDelivery online once access to this account is established.

Checks and Visa Platinum Debit Cards

Your Schwab Global Account will not have a checkwriting feature or a Visa Platinum Debit Card.

7. Schwab One—Fund Your Account

 \Box Check or money order made payable to Charles Schwab & Co., Inc. enclosed for \$_

🗌 Transfer assets from another financial institution—Schwab Global Account and Schwab One Brokerage Account Transfer Form enclosed.

Electronic transfer via Schwab MoneyLink® (Schwab MoneyLink Electronic Funds Transfer Form enclosed).

Direct deposit—With this service, you can have part of your paycheck, government payment or other recurring payment deposited directly into your Schwab account. After receiving your account number, please go to schwab.com/directdeposit, print a personalized direct deposit form, and give it to your employer or other entity.

8. Schwab Global Account—Fund Your Account

All U.S. dollar checks received will be deposited into your Schwab One Account. The Schwab Global Account does not accept or distribute checks.

- Transfer \$______ from your Schwab One Account.
- Transfer eligible securities from your associated Schwab One Account. Please contact a Schwab representative at 1-800-992-4685 for assistance.
- Transfer assets from another financial institution—Schwab Global Account and Schwab One Brokerage Account Transfer Form enclosed.
- □ Wire funds from another financial institution. Please contact a Schwab representative at 1-800-992-4685 for assistance.

9. Authorization to Open Accounts

By signing this Application, you acknowledge that you have received and read a copy of the attached Schwab One Brokerage Application Agreement and the Schwab Global Application Agreement, each of which contains a predispute arbitration provision. You also acknowledge that you have read and understood the Schwab Global Risk Disclosure Statements included with this Application. You acknowledge that your signature signifies and constitutes your agreement that the Schwab One Account, the Schwab Global Account, and your relationship with Schwab will be governed by the respective Application Agreements and disclosures, including, but not limited to, the Schwab One Account Agreement, the Schwab Global Account Agreement, and the *Charles Schwab Pricing Guide for Individual Investors*, each as amended from time to time (the "Agreement and Disclosures"). You understand there are fees associated with establishing, maintaining, engaging in transactions in, and transferring assets out of this account. Unless you have declined the margin feature on your Schwab One Account, you acknowledge that securities securing loans from Schwab may be lent to Schwab and lent by Schwab to others.

You also acknowledge that if you trade "on margin," you are borrowing money from Schwab and that you understand the requirements and risks associated with margin as summarized in the Margin Disclosure Statement included with this Application.

You also acknowledge that the securities products purchased or sold in a transaction with Schwab (i) are not insured by the FDIC; (ii) are not deposits or other obligations of Schwab and are not guaranteed by Schwab Bank; and (iii) are subject to investment risks, including possible loss of the principal invested.

For purposes of this Account Application and the attached Application Agreement, the terms "you," "your," and "Account Holder" refer to each person who signs this Account Application. The terms "we," "us," "our," and "Schwab" refer to Charles Schwab & Co., Inc. The term "Schwab Bank" refers to Charles Schwab Bank, SSB.

10. Disclosures

Attached to this Application are the following risk disclosure documents: Schwab Global Account[™]—Acknowledgment of Obligations and Risks of Investing in Global Securities Traded on Foreign Exchanges and Schwab Global Account—Acknowledgment of Risks of Trading Foreign Currency ("Risk Disclosures"). You agree to review these attached Risk Disclosures prior to placing any trades in your Schwab Global Account.

I certify, under penalty of perjury, that (1) the number shown on this Application is my correct Taxpayer Identification Number; and (2) I am not subject to backup withholding due to a failure to report interest and dividend income; and (3) I am a U.S. person (a U.S. citizen or U.S. resident alien); and (4) the Foreign Account Tax Compliance Act (FATCA) code entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

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, you must check the preceding box indicating that item (2) above does not apply.

If you are submitting this Application for an account you hold in the U.S., item (4) above does not apply.

	_	
The Internal Revenue Service does not require your consent to any provision of this document other than the certifications required to avoid		The Agreement with Schwab includes a predispute arbitration clause. You acknowledge receipt of the predispute arbitration clauses contained
backup withholding.		in Section 15, page 2, of the Schwab One® Brokerage Account Application
		Agreement and in Section 12, page 2, of the Schwab Global Account
		Application Agreement.

Signature(s) and Date(s) Required

X Account Holder Signature	Print Name	Date
X Additional Account Holder Signature	Print Name	Date

Please sign and date above in blue or black ink only. Your signature above will also serve as a signature card.

Please return pages 1–9 of this form to your nearest Schwab branch or mail to Charles Schwab & Co., Inc., Attn: IS Document Control, P.O. Box 982600, El Paso, TX 79998-2600 or P.O. Box 628291, Orlando, FL 32862-8291.

If you'd like to send your form via overnight delivery, send it to 1945 Northwestern Drive, El Paso, TX 79912 or 1958 Summit Park Drive, Suite 200, Orlando, FL 32810.





Schwab One[®] Brokerage Account Application Agreement

This Agreement relates to your Account and is part of the Account Agreement between each Account Holder and Charles Schwab & Co., Inc. ("Schwab"). Please read and retain for your files.

Section 1: Scope of Agreement. Your agreement with Schwab consists of the terms set forth in this Application Agreement and the terms set forth in the Schwab One Account Agreement, which incorporates the *Charles Schwab Pricing Guide* and a number of other important disclosures. The Schwab One Account Agreement is provided with this Application or at the opening of your Account. You agree to contact Schwab if you do not receive the Schwab One Account Agreement. In addition, you may in the future receive from Schwab supplemental terms or disclosures that

charles

pertain to certain account types, service features and benefit packages. These supplemental terms and disclosures, this Application Agreement and the Schwab One Account Agreement are collectively referred to as the "Agreement and Disclosures." You agree to read the Agreement and Disclosures carefully and retain copies for your records.

Section 2: Acceptance of Agreement and Disclosures. You agree that the Agreement and Disclosures govern all aspects of your relationship with Schwab, including all transactions between Schwab and you and all products and services now or in the future offered through Schwab. Schwab may rely on your use of Schwab's products and services as evidence of your continued acceptance of the Agreement and Disclosures.

Section 3: Your Representations and Warranties. You represent and warrant that: (a) you are of legal age in the state in which you live and you are authorized to enter into this Agreement; (b) you have supplied accurate information in your Account Application; (c) no one except the Account Holders listed on the Account Application (and if community property is held, the Account Holders' spouses) has an interest in the Account; (d) no additional authorizations from third parties are required for you to open the Account and effect transactions therein; (e) except as you have otherwise indicated on your Account Application or in writing to us, (i) you are not an employee of or affiliated with any securities exchange or member firm of any exchange, the Financial Industry Regulatory Authority (FINRA) or any securities firm, bank, trust company, or insurance company; and (ii) you are not a director, 10% beneficial shareholder, policy-making officer, or otherwise an "affiliate" (as defined in Rule 144 under the Securities Act of 1933) of a publicly traded company; and (f) this Application Agreement, as amended from time to time, is a legal, valid and binding obligation, enforceable against you in accordance with its terms.

Section 4: Account Handling. Schwab will automatically hold all of your securities purchased, sales proceeds, dividends and interest. Schwab will also release your name, address and securities positions to companies in which we hold securities for your Account upon request, unless you notify us otherwise in writing. If you maintain more than one account at Schwab, you authorize Schwab to transfer assets between your accounts when no written authorization is requested. ST Section 5: Responsibility for Investment Decisions. You agree that you and any agent under a Power of Attorney or Investment Advisor (if you have one) are solely responsible for investment decisions in your Account, including whether to buy or sell a particular security. Unless required by law, or unless Schwab provides advice to you that is clearly identified as an individualized recommendation for you, you understand that Schwab has no obligation to determine whether a particular transaction, strategy, or purchase or sale of a security is in your best interest. Your obligation includes an affirmative duty to monitor and stay informed about your Account and your investments and respond to changes as you deem appropriate. Unless we otherwise agree with you in writing, Schwab does not monitor your account(s) or investments and has no obligation to update an investment recommendation, financial advice, or financial plan we may give you. Such recommendation, financial advice, or financial plan only applies at the point in time we provide it to you. You acknowledge that Schwab does not provide tax or legal advice.

Section 6: Payment of Indebtedness. You agree to make payment of any indebtedness related to your Account, including, but not limited to, any such indebtedness that results from instructions provided to Schwab by you, by your agent or any attorney-in-fact under a Power of Attorney, or by any Investment Advisor authorized to make transactions in your Account. We may elect anytime, with or without notice, to make any debit balance or other obligation related to your Account immediately due and payable. We may report any past-due account to a consumer and/or securities credit reporting agency. We may also refer your Account to a collection agency.

Section 7: Granting a Lien on Your Accounts. As security for the repayment of all present or future indebtedness owed to us by each Account Holder, each Account Holder grants to us a first, perfected and prior lien on, a continuing security interest in, and right of set-off with respect to, all property that is, now or in the future, held, carried or maintained for any purpose in or through Schwab, and, to the extent of such Account Holder's interest in or through, any present or future account with us or our affiliates in which the Account Holder has an interest. In the event of a breach or default by you under this Agreement, Schwab will have the rights and remedies available to a secured creditor under all applicable laws in addition to the rights and remedies provided in this Agreement. If you owe money to Schwab as the result of activity in your Account and there are assets available in any non-retirement brokerage account that you hold at Schwab which could fully or partially satisfy the debt, you agree that, upon Schwab's written demand, you will execute all documents necessary to effect a transfer from your non-retirement brokerage account and agree to pay or cause such funds to be paid immediately to Schwab in order to satisfy your indebtedness to Schwab.

Section 8: Liquidations. Whenever it is necessary for our protection or to satisfy a margin deficiency, debit or other obligation owed us, we may (but are not required to) sell, assign and deliver all or any part of the property securing your obligations, or close any or all transactions in your Account. We may choose which property to buy or sell, which transactions to close and the sequence and timing of liquidation. We may take such actions on whatever exchange or market and in whatever manner (including public auction or private sale) that we choose in the exercise of our business judgment. You agree not to hold us liable for the choice of which property to buy or sell or of which transactions to close or for timing or manner of liquidation or any tax consequences from such actions. In certain circumstances we may, at our sole discretion, liquidate your entire margin loan balance to satisfy a margin call. You agree not to hold us liable for taking such action.

We may transfer property from any non-retirement brokerage account in which you have an interest to any other brokerage account in which you have an interest, regardless of whether there are other Account Holders on either account, if we determine that your obligations are not adequately secured or to satisfy a margin deficiency or other obligation. You agree to pay on demand any account deficiencies after liquidation, whether liquidation is complete or partial.

All of the above may be done without demand for margin or notice of purchase, sale, transfer or cancellation to you. No demand for margin or notice shall impose on Schwab any obligation to make such demand or provide such notice to you in the future. Any such notice or demand is hereby expressly waived, and no specific demand or notice shall invalidate this waiver.

Section 9: Interest on Debit Balances. We will charge and compound interest on your debit balances (whether in a Margin or Cash Account) according to our Disclosure of Credit Terms and Policies.

Section 10: Borrowing Money and Margin Trading. All margin transactions are subject to our Disclosure of Credit Terms and Policies and our "Margin Disclosure Statement." You agree not to enter an order for a margin transaction until you have read and understood the Disclosure of Credit Terms and Policies and the Margin Disclosure Statement.

Section 11: Loan Consent. You agree that property held in your Margin Account, now or in the future, may be borrowed (either separately or together with the property of others) by us (acting as principal) or by others. You agree that Schwab can receive and retain certain benefits (including, but not limited to, interest on collateral posted for such loans) to which you will not be entitled. You acknowledge that, in certain circumstances, such borrowings could limit your ability to exercise voting rights or receive dividends, in whole or in part, with respect to the property lent. You understand that for property that is lent by Schwab, the

dividends paid on such property will go to the borrower. No compensation or other reimbursements will be due to you in connection with such borrowings. However, if you are allocated a substitute payment in lieu of dividends, you understand that such a payment may not be entitled to the same tax treatment as may have been applied to the receipt of a dividend. You agree that Schwab is not required to compensate you for any differential tax treatment between dividends and payments in lieu of dividends. Schwab may allocate payments in lieu of dividends by any mechanism permitted by law, including by using a lottery allocation system.

Section 12: Using the Check and Visa® Debit Card Features. If you have requested check or

Visa Debit Card features through your Account, you authorize checks and Visa Debit Cards to be issued as indicated in your Account Application. You agree that each Account Holder is authorized to write checks and engage in Visa Debit Card transactions, and you understand that if the checking feature is terminated, your Visa Debit Card will be automatically cancelled.

Section 13: Verification. You authorize Schwab to inquire from any source, including a consumer reporting agency, as to your identity (as required by federal law), creditworthiness and ongoing eligibility for the Account of the Account Holders, any other person referred to on this Application, or any person who Schwab is later notified is associated with or has an interest in the Account (as well as such persons' spouses if they live in a community property jurisdiction) at account opening, at any time throughout the life of the Account, and thereafter for debt collection or investigative purposes.

Section 14: Required Arbitration Disclosures. Regulatory authorities require that any brokerage agreement containing a predispute arbitration agreement must disclose that this agreement contains a predispute arbitration clause. 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.
- 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. 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:

- 1. the class certification is denied;
- 2. the class is decertified; or
- 3. 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.

Section 15: Arbitration Agreement. Any controversy or claim arising out of or relating to (i) this Agreement, any other agreement with Schwab, an instruction or authorization provided to Schwab or the breach of any such agreements, instructions, or authorizations; (ii) the Account, any other Schwab account or Services; (iii) transactions in the Account or any other Schwab account; (iv) or in any way arising from the relationship with Schwab, its parent, subsidiaries, affiliates, officers, directors, employees, agents or service providers ("Related Third Parties"), including any controversy over the arbitrability of a dispute, will be settled by arbitration.

This arbitration agreement will be binding upon and inure to the benefit of the parties hereto and their respective representatives, attorneys-in-fact, heirs, successors, assigns and any other persons having or claiming to have a legal or beneficial interest in the Account, including court-appointed trustees and receivers. This arbitration agreement will also inure to the benefit of third-party service providers that assist Schwab in providing Services ("Third-Party Service Providers") and such Third-Party Service Providers are deemed to be third-party beneficiaries of this arbitration agreement.

The parties agree that this arbitration agreement will apply even if the application to open the Account is denied and will survive the closure of your Account and/or the termination of services rendered under this Agreement.

Such arbitration will be conducted by, and according to the securities arbitration rules and regulations then in effect of, the Financial Industry Regulatory Authority (FINRA) or any national securities exchange that provides a forum for the arbitration of disputes, provided that Schwab is a member of such national securities exchange at the time the arbitration is initiated. Any party may initiate arbitration by filing a written claim with FINRA or such eligible national securities exchange. If arbitration before FINRA or an eligible national securities exchange is unavailable or impossible for any reason, then such arbitration will be conducted by, and according to the rules and regulations then in effect of, the American Arbitration Association (AAA). If arbitration before the AAA is unavailable or impossible for any reason, the parties agree to have a court of competent jurisdiction appoint three (3) arbitrators to resolve any and all disputes or controversies between or among the parties. Each party shall bear its own initial arbitration costs, which are determined by the rules and regulations of the arbitration forum.

In the event of financial hardship, the arbitration forum may waive certain costs in accordance with such rules. At the conclusion of the hearing, the arbitrators will decide how to assess the costs of the arbitration among the parties. Any award the arbitrator makes shall be final and binding, and judgment on it may be entered in any court having jurisdiction. This arbitration agreement shall be enforced and interpreted exclusively in accordance with applicable federal laws of the United States, including the Federal Arbitration Act. Any costs, fees or taxes involved in enforcing the award shall be fully assessed against and paid by the party resisting enforcement of said award.

For FINRA arbitrations, FINRA will appoint a single public arbitrator in customer cases decided by one arbitrator. In customer cases decided by three arbitrators, investors have the option of choosing an arbitration panel with two public arbitrators and one non-public arbitrator (Majority-Public Panel Rule) or a panel of all public arbitrators (Optional All-Public Panel Rule). If the customer declines to elect a panel selection method in writing by the applicable deadline, the Majority-Public Panel Rule for selecting arbitrators will apply.

All notices from one party to the other involving arbitration shall be considered to have been fully given when so served, mailed by first-class, certified or registered mail, or otherwise given by other commercially accepted medium of written notification.

In addition to the above provisions, if a party to this Agreement is or becomes a non-U.S. resident at the time of any controversy subject to this arbitration agreement, such party acknowledges and agrees to the following additional provisions:

- (1) The rules of the organization administering the arbitration specifically provide for the formal designation of the place at which the arbitration is to be held.
- (2) Entering into this Agreement constitutes consent to submit to the personal jurisdiction of the courts of the state of California, U.S.A., to interpret or enforce any or all of these arbitration provisions. Judgment on any arbitration award may be entered in any court having jurisdiction, or application may be made to such court for judicial acceptance of the award and an order of enforcement, as the case may be.
- (3) The exclusive language to be used by the parties and the arbitrators in the arbitration proceedings shall be English. Any party wishing an interpreter shall make all arrangements directly with the interpreter and shall assume all costs of the service.
- (4) If a party is a foreign government or state, state-owned or state-operated enterprise or other instrumentality of a foreign government or state, such party waives all rights of sovereign immunity and neither the Federal Act of State doctrine nor the doctrine of sovereign immunity shall apply insofar as any enforcement in courts located in the U.S.A. is concerned.

Section 16: Electronic Copies. The electronically stored copy of your (or your agent's) signature, any written instructions or authorizations, the Account Application and the Agreement and Disclosures are considered to be the true, complete, valid, authentic and enforceable record, admissible in judicial, administrative or arbitration proceedings to the same extent as if the documents and records were originally generated and maintained in printed form. You agree to not contest the admissibility or enforceability of Schwab's electronically stored copy of such documents in any proceeding between you and Schwab.

Section 17: Float. You agree that Schwab will retain as compensation for services your Account's proportionate share of any interest earned on aggregate cash balances held in Schwab's bank account with respect to (1) assets awaiting investment or (2) assets

pending distribution from your Account. Such interest retained by Schwab shall generally be at money market rates. Schwab's receipt of such compensation is further described in the Agreements and Disclosures.

Section 18: Unclaimed Property. If no activity occurs in the Account within the time period specified by applicable state law, the Account may be transferred to the appropriate state.

Section 19: Information About SIPC. To obtain information about the Securities Investor Protection Corporation (SIPC), including an explanatory SIPC brochure, please contact SIPC at www.sipc.org or 1-202-371-8300.

Section 20: Impartial Lottery for Securities Subject to Partial Call or Partial Redemption. If Schwab holds securities for you in street name, in Schwab's name, or in bearer form that are subject to partial call or partial redemption, then in the case of a partial call or partial redemption Schwab will use an impartial lottery system to select the securities to be called or redeemed from among accounts holding those securities. For a description of Schwab's lottery system, please visit schwab.com/PartialCalls. If you would like a printed description of Schwab's lottery system mailed to you, please contact a Schwab representative at 1-800-435-4000.



Schwab Global Account[™] Application Agreement

This Agreement relates to your Account and is part of the Account Agreement between each Account Holder and Charles Schwab & Co., Inc. ("Schwab"). Please read and retain for your files.

Section 1: Scope of Agreement. Your agreement with Schwab consists of the terms set forth in this Application Agreement and the terms set forth in the Schwab Global Account Agreement, which incorporates the *Charles Schwab Pricing Guide* and a number of other important disclosures. The Schwab Global Account Agreement is provided with this Application or at the opening of your Account. You agree to contact Schwab if you do not receive the Schwab Global Account Agreement.

In addition, you may in the future receive from Schwab supplemental terms or disclosures that pertain to certain account types, service features and benefit packages. These supplemental terms and disclosures, this Application Agreement and the Schwab Global Account Agreement are collectively referred to as the "Agreement and Disclosures." You agree to read the Agreement and Disclosures carefully and retain copies for your records.

Section 2: Acceptance of Agreement and Disclosures. You agree that the Agreement and Disclosures govern all aspects of your relationship with Schwab, including all transactions between Schwab and you and all products and services now or in the future offered through Schwab. Schwab may rely on your use of Schwab's products and services as evidence of your continued acceptance of the Agreement and Disclosures.

Section 3: Your Representations and Warranties. You represent and warrant that: (a) you are of legal age in the state in which you live and you are authorized to enter into this Agreement; (b) you have supplied accurate information in your Account Application; (c) no one except the Account Holders listed on the Account Application (and, if community property is held, the Account Holders' spouses) has an interest in the Account; (d) no additional authorizations from third parties are required for you to open the Account and effect transactions therein: (e) except as you have otherwise indicated on your Account Application or in writing to us, (i) you are not an employee of or affiliated with any securities exchange or member firm of any exchange, the Financial Industry Regulatory Authority (FINRA) or any securities firm, bank, trust company, or insurance company; and (ii) you are not a director, 10% beneficial shareholder, policy-making officer, or otherwise an "affiliate" (as defined in Rule 144 under the Securities Act of 1933) of a publicly traded company; and (f) this Application Agreement, as amended from time to time, is a legal, valid and binding obligation, enforceable against you in accordance with its terms.

Section 4: Account Handling. Schwab will automatically hold all of your securities purchased, sales proceeds and dividends. Schwab will also release your name, address and securities positions to companies in which we hold securities for your Account upon request, unless you notify us otherwise in writing. If you maintain more than one account at Schwab, you authorize Schwab to transfer assets between your accounts when no written authorization is requested.

Section 5: Responsibility for Investment Decisions. You agree that you and any agent under a Power of Attorney, or Investment Advisor (if you have one) are solely responsible for investment decisions in your Account, including whether to buy or sell a particular security. Unless required by law, or unless Schwab provides advice to you that is clearly identified as an individualized recommendation for you, you understand that Schwab has no obligation to determine whether a particular transaction, strategy, or purchase or sale of a security is in your best interest. Your obligation includes an affirmative duty to monitor your Account for profits and losses, to stay informed about your Account and your investments, and respond to changes as you deem appropriate. Unless we otherwise agree with you in writing, Schwab does not monitor your account(s) or investments and has no obligation to update an investment recommendation, financial advice, or financial plan we may give you. Such recommendation, financial advice, or financial plan only applies at the point in time we provide it to you.

You acknowledge that Schwab does not provide tax or legal advice.

Section 6: Payment of Indebtedness. You agree to make payment of any indebtedness related to your Account, including, but not limited to, any such indebtedness that results from instructions provided to Schwab by you, by your agent or any attorney-in-fact under a Power of Attorney, or by any Investment Advisor authorized to make transactions in your Account. We may elect anytime, with or without notice, to make any debit balance or other obligation related to your Account immediately due and payable. We may report any past-due account to a consumer and/ or securities credit reporting agency. We may also refer your Account to a collection agency.

Section 7: Granting a Lien on Your Accounts. As security for the repayment of all present or future indebtedness owed to us by each Account Holder, each Account Holder grants to us a first, perfected and prior lien on, a continuing security interest in, and right of set-off with respect to, all property that is, now or in the future, held, carried or maintained for any purpose in or through Schwab, and, to the extent of such Account Holder's interest in or through, any present or future account with us or our affiliates in which the Account Holder has an interest. In the event of a breach or default by you under this Agreement, Schwab will have the rights and remedies available to a secured creditor under all applicable laws in addition to the rights and remedies provided in this Agreement. If you owe money to Schwab as the result of activity in your Account and there are assets available in any non-retirement brokerage account that you hold at Schwab which could fully or partially satisfy the debt, you agree that, upon Schwab's written demand, you will execute all documents necessary to effect a transfer from your non-retirement brokerage account and agree to pay or cause such funds to be paid

immediately to Schwab in order to satisfy your indebtedness to Schwab.

Section 8: Liquidations. Whenever it is necessary for our protection or to satisfy a debit or other obligation owed us, we may (but are not required to) sell, assign and deliver all or any part of the property securing your obligations, or close any or all transactions in your Schwab Global Account. We may choose which property to buy or sell, which transactions to close and the sequence and timing of liquidation. We may take such actions on whatever exchange or market and in whatever manner (including public auction or private sale) that we choose in the exercise of our business judgment. You agree not to hold us liable for the choice of which property to buy or sell or of which transactions to close or for timing or manner of liquidation or any tax consequences from such actions. We may transfer property from any non-retirement brokerage account in which you have an interest to any other brokerage account in which you have an interest, regardless of whether there are other Account Holders on either account, if we determine that your obligations are not adequately secured or to satisfy an outstanding obligation. You agree to pay on demand any account deficiencies after liquidation, whether liquidation is complete or partial.

All of the above may be done without prior notice to you. No notice shall impose on Schwab any obligation to make such demand or provide such notice to you in the future. Any such notice or demand is hereby expressly waived, and no specific demand or notice shall invalidate this waiver.

Section 9: Loan Consent. You agree that property held in your Schwab Global Account, now or in the future, may be borrowed (either separately or together with the property of others) by us (acting as principal) or by others. You agree that Schwab can receive and retain certain benefits (including, but not limited to, interest on collateral posted for such loans) to which you will not be entitled. You acknowledge that, in certain circumstances, such borrowings could limit your ability to exercise voting rights or receive dividends, in whole or in part, with respect to the property lent. You understand that for property that is lent by Schwab, the dividends paid on such property will go to the borrower. No compensation or other reimbursements will be due to you in connection with such borrowings. However, if you are allocated a substitute payment in lieu of dividends, you understand that such a payment may not be entitled to the same tax treatment as may have been applied to the receipt of a dividend. You agree that Schwab is not required to compensate you for any differential tax treatment between dividends and payments in lieu of dividends. Schwab may allocate payments in lieu of dividends by any mechanism permitted by law, including by using a lottery allocation system.

Section 10: Verification. You authorize Schwab to inquire from any source, including a consumer

reporting agency, as to your identity (as required by federal law), creditworthiness and ongoing eligibility for the Account of the Account Holders, any other person referred to on this Application, or any person who Schwab is later notified is associated with or has an interest in the Account (as well as such persons' spouses if they live in a community property jurisdiction) at account opening, at any time throughout the life of the Account, and thereafter for debt collection or investigative purposes.

Section 11: Required Arbitration Disclosures. Regulatory authorities require that any brokerage agreement containing a predispute arbitration agreement must disclose that this agreement contains a predispute arbitration clause. 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.
- 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.

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:

- 1. the class certification is denied;
- 2. the class is decertified; or
- 3. 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.

Section 12: Arbitration Agreement. Any controversy or claim arising out of or relating to (i) this Agreement, any other agreement with Schwab, an instruction or authorization provided to Schwab or the breach of any such agreements, instructions, or authorizations; (ii) the Account, any other Schwab account or Services; (iii) transactions in the Account or any other Schwab account; (iv) or in any way arising from the relationship with Schwab, its parent, subsidiaries, affiliates, officers, directors, employees, agents or service providers ("Related Third Parties"), including any controversy over the arbitrability of a dispute, will be settled by arbitration.

This arbitration agreement will be binding upon and inure to the benefit of the parties hereto and their respective representatives, attorneys-in-fact, heirs, successors, assigns and any other persons having or claiming to have a legal or beneficial interest in the Account, including court-appointed trustees and receivers. This arbitration agreement will also inure to the benefit of third-party service providers that assist Schwab in providing Services ("Third-Party Service Providers") and such Third-Party Service Providers are deemed to be third-party beneficiaries of this arbitration agreement.

The parties agree that this arbitration agreement will apply even if the application to open the Account is denied and will survive the closure of your Account and/or the termination of services rendered under this Agreement.

Such arbitration will be conducted by, and according to the securities arbitration rules and regulations then in effect of, the Financial Industry Regulatory Authority (FINRA) or any national securities exchange that provides a forum for the arbitration of disputes, provided that Schwab is a member of such national securities exchange at the time the arbitration is initiated. Any party may initiate arbitration by filing a written claim with FINRA or such eligible national securities exchange. If arbitration before FINRA or an eligible national securities exchange is unavailable or impossible for any reason, then such arbitration will be conducted by, and according to the rules and regulations then in effect of, the American Arbitration Association (AAA). If arbitration before the AAA is unavailable or impossible for any reason, the parties agree to have a court of competent jurisdiction appoint three (3) arbitrators to resolve any and all disputes or controversies between or among the parties. Each party shall bear its own initial arbitration costs, which are determined by the rules and regulations of the arbitration forum. In the event of financial hardship, the arbitration forum may waive certain costs in accordance with such rules. At the conclusion of the hearing, the arbitrators will decide how to assess the costs of the arbitration among the parties.

Any award the arbitrator makes shall be final and binding, and judgment on it may be entered in any court having jurisdiction. This arbitration agreement shall be enforced and interpreted exclusively in accordance with applicable federal laws of the United States, including the Federal Arbitration Act. Any costs, fees or taxes involved in enforcing the award shall be fully assessed against and paid by the party resisting enforcement of said award.

For FINRA arbitrations, FINRA will appoint a single public arbitrator in customer cases decided by one arbitrator. In customer cases decided by three arbitrators, investors have the option of choosing an arbitration panel with two public arbitrators and one non-public arbitrator (Majority-Public Panel Rule) or a panel of all public arbitrators (Optional AlI-Public Panel Rule). If the customer declines to elect a panel selection method in writing by the applicable deadline, the Majority-Public Panel Rule for selecting arbitrators will apply.

All notices from one party to the other involving arbitration shall be considered to have been fully given when so served, mailed by first-class, certified or registered mail, or otherwise given by other commercially accepted medium of written notification.

In addition to the above provisions, if a party to this Agreement is or becomes a non-U.S. resident at the time of any controversy subject to this arbitration agreement, such party acknowledges and agrees to the following additional provisions:

- (1) The rules of the organization administering the arbitration specifically provide for the formal designation of the place at which the arbitration is to be held.
- (2) Entering into this Agreement constitutes consent to submit to the personal jurisdiction of the courts of the state of California, U.S.A., to interpret or enforce any or all of these arbitration provisions. Judgment on any arbitration award may be entered in any court having jurisdiction, or application may be made to such court for judicial acceptance of the award and an order of enforcement, as the case may be.
- (3) The exclusive language to be used by the parties and the arbitrators in the arbitration proceedings shall be English. Any party wishing an interpreter shall make all arrangements directly with the interpreter and shall assume all costs of the service.
- (4) If a party is a foreign government or state, state-owned or state-operated enterprise or other instrumentality of a foreign government or state, such party waives all rights of sovereign immunity and neither the Federal Act of State doctrine nor the doctrine of sovereign immunity shall apply insofar as any enforcement in courts located in the U.S.A. is concerned.

Section 13: Electronic Copies. The electronically stored copy of your (or your agent's) signature, any written instructions or authorizations, the Account Application and the Agreement and Disclosures are considered to be the true, complete, valid, authentic and enforceable record, admissible in judicial, administrative or arbitration proceedings to the same extent as if the documents and records were originally generated and maintained in printed form. You agree to not contest the admissibility or enforceability of Schwab's electronically stored copy of such documents in any proceeding between you and Schwab.

Section 14: Float. You agree that Schwab will retain as compensation for services your Account's proportionate share of any interest earned on aggregate cash balances held in Schwab's bank account with respect to (1) assets awaiting investment or (2) assets pending distribution from your Account. Such interest retained by Schwab shall generally be at money market rates. Schwab's receipt of such compensation is further described in the Agreements and Disclosures.

Section 15: Unclaimed Property. If no activity occurs in the Account within the time period specified by applicable state law, the Account may be transferred to the appropriate state.

Section 16: Information About SIPC. To obtain information about the Securities Investor Protection Corporation (SIPC), including an explanatory SIPC brochure, please contact SIPC at www.sipc.org or 1-202-371-8300.

Section 17: Impartial Lottery for Securities Subject to Partial Call or Partial Redemption. If Schwab holds securities for you in street name, in Schwab's name, or in bearer form that are subject to partial call or partial redemption, then in the case of a partial call or partial redemption Schwab will use an impartial lottery system to select the securities to be called or redeemed from among accounts holding those securities. For a description of Schwab's lottery system, please visit schwab.com/PartialCalls. If you would like a printed description of Schwab's lottery system mailed to you, please contact a Schwab representative at 1-800-435-4000.

Schwab Global Account[™]—Acknowledgment of Obligations and Risks of Investing in Global Securities Traded on Foreign Exchanges

Investing in securities traded on foreign exchanges entails a higher level of risk than investing in domestic securities or on U.S. exchanges. The following information does not disclose all of the risks associated with trading global securities, but it does cover some things you should consider prior to investing in, or authorizing someone else to invest in, global securities in your Schwab Global Account. By applying for a Schwab Global Account and prior to entering any trades in your Schwab Global Account, you represent that you understand these risks and potential tax consequences and have determined that this form of investing is suitable for you, considering your financial situation and investment objectives. You also acknowledge and agree that:

- You are aware of and understand the obligations and risks set forth below;
- You, and not Schwab, are solely responsible for complying with, and will comply with, all applicable laws and regulations, including, but not limited to, those set herein;
- You will obtain your own independent legal advice with respect to any obligations or risks set forth below before acquiring shares in any foreign listed company through your Schwab Global Account;
- You agree to deliver, at Schwab's request and in Schwab's sole discretion, any information about your activities in your Schwab Global Account or about foreign listed securities held by you, your immediate family members or entities controlled by you, whether held at Schwab or elsewhere, as required to comply with applicable law or regulation or with a request by a foreign regulatory authority.
- Schwab does not provide legal, tax or discretionary investment advice with respect to your Schwab Global Account or any assets held in your Schwab Global Account;
- You will indemnify and hold Schwab harmless from any violation or breach of any foreign law or regulation as a result of or in connection with your Schwab Global Account.

Foreign Disclosure Requirements

Foreign stock exchanges and regulatory authorities require that you report, and in some cases seek pre-approval for, acquiring ownership in foreign listed securities above certain thresholds or in certain industries. It is solely your responsibility to ensure that you will, at all times, comply with all applicable laws, obligations and restrictions in each of the jurisdictions in which you purchase and sell securities. Prior to placing any trades in your Schwab Global Account, you agree that you are aware of and understand the legal implications of purchasing or selling securities in any foreign country and the potential disclosure requirements therein, and that you have obtained your own legal and tax advice.

Political, Regulatory, and Social Risks

Foreign governments can be less stable than the government of the United States; this can pose a risk to your investment. Foreign governments can also be more restrictive when it comes to a company's business operations and ability to earn profits. A country's financial policies may negatively impact the prospect for growth. A country with significant outstanding debt may raise taxes and reduce spending, which could affect corporate profits. Social events or civil unrest can also pose the risk that prices of securities might fall. As a result, it is important to research the country, and the company, as you make investment decisions. Certain foreign exchanges do not maintain the same level of regulatory oversight that U.S. markets are subject to. Settlement periods and standards may vary by exchange.

Trading Restrictions and Market Operations

Foreign stock markets often operate differently from U.S. markets. For example, there may be different periods for clearance and settlement of securities transactions, and investments in foreign securities may be subject to trading restrictions and fees not usually encountered in the United States. Governments, foreign stock exchanges, markets and/or individual securities may impose specific restrictions that prohibit or limit trading by individuals or entities. There may be no centralized trading or settlement. There may be variances in quoting conventions. Transaction costs may vary or may be unclear. Certain markets may impose restrictions regarding repatriation of monies or limit certain investment activities. You understand that

Schwab is not responsible for notifying you of each country's specific requirements and that Schwab may limit, modify or reject your activity based upon such requirements. You understand that you should conduct appropriate due diligence to learn any specific limitations and obligations applicable to you in any country in which you intend to trade.

Quality of Information

The ability to find timely and accurate information may be more difficult in international investing. The differences in accounting standards can make comparisons to U.S. companies challenging. For example, the International Accounting Standards used by most foreign companies can differ substantially from the Generally Accepted Accounting Principles (GAAP) that govern financial reporting by U.S. companies.

Currency Fluctuation

There is a possibility that the currency of your investment will fall relative to the U.S. dollar; this will lower the return once it is translated back into dollars.

Illiquidity

Some international markets can be less liquid, and hence more volatile. This can result in rapid price swings and the potential that securities will not be able to be purchased or sold.

Tax Reporting and Other Potential Tax-Related Consequences

Investing in global securities traded on foreign exchanges may result in tax liability or tax reporting obligations, both to U.S. and foreign taxing authorities, that may not occur when investing in U.S. markets. You may be eligible for reduced tax rates in certain foreign jurisdictions, but it is solely your responsibility, and not Schwab's, to comply with all requirements and prerequisites for obtaining such reduced rates and seeking refunds of amounts already paid or withheld. Operational limitations in your Schwab Global Account may prevent you from obtaining the benefit of such reduced tax rates in some jurisdictions. Schwab does not provide tax advice. Please consult with your tax advisor prior to placing trades in your Schwab Global Account.

Schwab Global Account[™]—Acknowledgment of Risks of Trading Foreign Currency

Investors who are considering participating in the foreign currency exchange (or "forex") market need to understand fully the market and its unique characteristics. Forex trading can be very risky and is not appropriate for all investors.

There are inherent risks associated with forex trading. The following information is not intended to disclose all of the risks associated with forex trading; however, it is intended to address potential risks that should be considered prior to purchasing, or authorizing someone else to purchase, a foreign currency in your Schwab Global Account. You should carefully consider your financial situation and whether such trading is suitable for you in light of your financial condition, risk tolerance and understanding of foreign markets. By applying for a Schwab Global Account and prior to entering any trades in your Schwab Global Account, you represent that you understand these risks and potential tax consequences and have determined that this form of investing is suitable for you, considering your financial situation and investment objectives.

The Risk of Loss in Foreign Currency Trading Can Be Substantial

Individual investors who are considering participating in the foreign currency exchange (or "forex") market should fully understand the market and its unique characteristics. Forex trading can be very risky and is not appropriate for all investors. The only funds that you should put at risk when speculating in foreign currency are those funds that you can afford to lose entirely, and you should always be aware that certain strategies may result in your losing even more money than the amount of your initial investment.

Quoting Conventions Are Not Uniform

While many currencies are typically quoted against the U.S. dollar (that is, one dollar purchases a specified amount of foreign currency), there are no required uniform quoting conventions in the forex market. Some currencies may be quoted in the reverse, meaning, for example, that one British pound purchases a specified amount of U.S. dollars (GBP/USD). Therefore, you should pay special attention to the currency's quoting convention and what an increase or decrease in a quote may mean for your trades.

Pay Attention to Transaction Costs

Schwab will add (or subtract) a commission equivalent or markup to the purchase price (or sales proceeds) when you purchase or sell a foreign currency. A breakdown of the actual fees included in any foreign currency transaction is available upon request. For more information about transaction costs, you can contact a Global Investing Specialist at 1-800-992-4685, visit Schwab.com, or consult the pricing guide that accompanied your Schwab Global Account welcome package. Transaction costs can turn profitable trades into unprofitable trades. For certain currencies and currency pairs, transaction costs can be relatively large. If you are frequently trading in and out of a currency, these costs can, in some circumstances, turn what might have been profitable trades into losing transactions.

Volatility

Currency prices may be highly volatile. Price movements for currencies are influenced by, among other things: changing supply and demand; trade, fiscal, monetary, and exchange control policies of governments; U.S. and foreign political and economic events; changes in national and international interest rates and inflation; currency devaluation; and sentiment of the marketplace. None of these factors can be controlled by you or any investment advisor, and no assurance can be given that you will not incur losses from such events.

Illiquidity

Under certain market conditions, you may find it difficult or impossible to liquidate your currency position. For example, this can occur when a currency is deregulated or fixed trading bands are widened. Certain currencies may not be available to transact through Schwab. Exchange practices, including currency controls, may change from time to time without notice to you. As a result, it is important that you understand the practices in the foreign markets in which you trade.

Trading Systems May Not Operate as Intended

Though it is possible to buy and hold a currency if you believe in its long-term appreciation, many trading strategies capitalize on small, rapid moves in the currency markets. If you intend to implement one of the many trading strategies that capitalize on small, rapid moves in the currency market, please note that our systems may not be able to support extreme speeds.

Exchange Rate Risks

To the extent that you hold all or a portion of your cash assets in currencies other than the U.S. dollar, you may suffer currency losses from unfavorable exchange rate movements that reduce the value of your cash assets as measured against the dollar. These potential losses could leave you without sufficient cash to pay planned expenses or other liabilities.

Negative Interest Rate Environment

To the extent that you hold a foreign currency in your Schwab Global Account that is paying a negative interest rate, Schwab may be charged interest to hold that currency. If that occurs, Schwab reserves the right to charge your Account, with no additional markup, the amount of interest charged to Schwab.

Margin Disclosure Statement

www.schwab.com | 1-800-435-4000 (inside the U.S.) international.schwab.com | +1-415-667-8400 (outside the U.S.)

- This is important information regarding margin borrowing, if you have requested the margin feature on your brokerage account.
- Please retain this document for your files.
- When using margin, please keep these important rules and conditions in mind.
- A complete list of terms and conditions pertaining to margin trading and short selling, including credit terms and policies, can be found in the Account Agreement. The Account Agreement will be provided to you after account opening or you can access it at any time on our website or by calling us. Please read this important document before opening a margin account.
- For questions regarding margin borrowing, please contact us at the numbers listed above. For clients of independent investment advisors, please call your advisor directly or call Schwab Alliance at 1-800-515-2157.

When considering a margin loan, you should determine how the use of margin fits your own investment philosophy. It is important that you fully understand the risks, rules, and requirements involved in trading securities on margin.

The following paragraphs highlight some of the critical aspects of margin trading:

Margin trading increases your level of market risk. Margin trading increases your buying power, allowing you to purchase a greater amount of securities with your investing dollar. Therefore, your exposure to market volatility increases—a declining market could result in even greater losses. A decline in the value of your securities that you purchase on margin can require you to provide additional funds to Schwab in order to avoid the forced sale of those securities or other securities in your account.

Your downside is not limited to the collateral value in your margin account. When you buy securities on margin, you are borrowing money from Schwab for part of your transactions. Securities and other assets in your Schwab account(s) are pledged as collateral to secure this loan. These margin transactions are riskier and involve the possibility of greater loss than transactions where you are not borrowing money. If the securities in your account decline in value, so does the value of the collateral supporting your loan. When the value of the collateral falls below the maintenance margin requirements, or Schwab's higher "house" requirements, Schwab can move to protect its position. In order to cover margin deficiencies, Schwab may issue you a margin call–a request for additional cash–or sell securities from your account. If a sale does not cover the deficiency, you will be responsible for any shortfall.

Schwab may initiate the sale of any securities in your account, without contacting you, to meet a margin call. Schwab will attempt to involve you in the case of margin deficiency; however, market conditions can require the firm to quickly sell any of your securities without your consent. Because the securities are collateral for the margin loan, Schwab has the right to decide which security to sell in order to protect its interests. Even if Schwab has contacted you and provided a specific date by which you can meet a margin call, the firm can still take necessary steps to protect its financial interests, including immediately selling the securities without prior notice to you.

Schwab's "house" initial and maintenance margin requirements may exceed those established by the Federal Reserve Board and/or the Financial Industry Regulatory Authority, Inc. Please call Schwab for current margin requirements.

Schwab retains the right to change its initial margin requirements at any time and without prior notice. We may also impose anytime and without prior notice more stringent requirements on positions that in our sole discretion involve higher levels of risk; for example, higher limits may apply for thinly traded, speculative or volatile securities, or concentrated positions of securities. Schwab may increase its "house" maintenance margin requirements at any time and is not required to provide you with advance written notice. Changes in Schwab's policy regarding "house" maintenance margin requirements often take effect immediately and can result in the issuance of a maintenance margin call. Your failure to satisfy the call may cause Schwab to liquidate or sell securities in your account.

Schwab retains absolute discretion to determine whether, when and in what amounts we will require additional collateral. For example, we can require additional collateral if an account contains only one security or a large concentration of one or more securities; or low-priced, thinly traded or volatile securities; or if some of your collateral is or becomes restricted or non-negotiable or non-marginable. We may also consider market conditions, your financial resources, or other factors deemed by us to be relevant given the circumstances at the time.

You are not entitled to an extension of time on a margin call. While an extension of time to meet margin requirements might be available to customers under certain conditions, a customer does not have a right to the extension.

Some accounts that carry a margin loan balance and hold dividendpaying securities may receive a "substitute income payment in lieu of a dividend" (PIL). This payment may be taxable as ordinary income. Taxable accounts that receive a PIL instead of a qualified dividend may also receive a supplemental credit from Schwab. This will be identified on customer statements as a "Schwab substitute income credit." However, when Schwab can identify that a dividend is nonqualified, we will not credit your account with this additional payment.

- This credit is NOT "payment in lieu," and is unrelated to any payment from either the security issuer or the borrower.
- It is a discretionary credit from Schwab which may be discontinued in the future with or without notice.*
- It may be subject to tax at your ordinary income tax rate. Please consult your tax advisor about your specific tax situation.
- Because individual tax situations differ, Schwab cannot precisely calculate the additional tax costs a client might incur. Therefore, we do not intend, nor should clients expect, for this payment to be an exact reimbursement of any excess tax cost.
- *Please refer to the "Loan Consent" section of your Account Agreement which states that no compensation is due in connection with such loans and that Schwab "is not required to compensate you for any differential tax treatment between dividends and payments in lieu of dividends."



Independent investment advisors are not owned by, affiliated with, or supervised by Charles Schwab & Co., Inc. ("Schwab"). ST ©2020 Charles Schwab & Co., Inc. All rights reserved. Member SIPC. CC4723607 (0414-2124) REG95795-01 (02/20)

charles Regulation E: Electronic Funds Transfer Disclosure

- This disclosure applies to your account if you elected to fund your Schwab One® account using Schwab MoneyLink® to initiate a one-time electronic funds transfer from your checking or savings account at another financial institution.
- A complete Electronic Funds Transfer Disclosure statement applicable to each account will be provided to you with your account agreements after account opening.
- Unless otherwise noted, throughout this disclosure "we," "us," and "our" refer to Charles Schwab & Co., Inc. ("Schwab").

Business Days. Schwab's business days are Monday through Friday, excluding U.S. stock exchange holidays and U.S. banking holidays. If a funds transfer is scheduled for a day other than a business day, we will make it on the following business day.

Consumer's Liability for Unauthorized Transfers. Tell us at once if you believe an unauthorized person has transferred or may transfer money from your account without your permission. You can notify us by calling or writing Customer Service:

- By phone, in the U.S.: Call us toll-free at 1-800-421-4488, Monday through Friday, from 10:00 a.m. to 7:00 p.m. ET.
- By phone, outside the U.S.: International clients, call us at +1-415-667-8400. Swiss residents, call us at 0800-563711.
- By mail, from all locations: Charles Schwab & Co., Inc., IS Document Control, P.O. Box 982600, El Paso, TX 79998-2600

Telephoning immediately is the best way of minimizing your possible losses.

Losses could include the money in your account. If unauthorized activity occurs, you agree to cooperate during the investigation and to complete any report or affidavit we may request.

Also, if your statement shows transfers that you didn't make or authorize, tell us at once. If you do not tell us within 60 days after the statement was mailed to you, you may not get back any money you lost after the 60 days if we can prove that we could have stopped someone from taking the money if you had told us in time. If a good reason kept you from telling us (such as a long trip or hospital stay), we will extend the time periods.

Disclosure of Account Information. We may disclose your name and/or information about your account or your transactions to our agents and affiliates in order to facilitate your transfer requests. We may also disclose such information to third parties in certain circumstances, which may include: (a) to banks and other entities that are involved with the products or services we offer or arrange on behalf of customers; (b) when it's requested by a third party to complete a transaction; (c) to verify the existence or condition of your account for a credit bureau or merchant; (d) to comply with a subpoena, court order or request from a government agency or law enforcement authority; (e) to evaluate your creditworthiness or our ability to collect any debt you owe us; or (f) if you give us your permission.

In addition, Schwab may disclose such information (a) to mutual funds that are involved with the products or services we offer or arrange on behalf of customers and (b) pursuant to Rule 14b-1 under the Securities and Exchange Act of 1934, to companies in which you hold securities, unless we receive your written objection.

Periodic Statements. Schwab will send you a monthly account statement for your Schwab One brokerage account unless there are no transfers in a particular month. In any case, you will get the statement at least quarterly.

All electronic funds transfers posted to your account during the month are listed on your statement.

Our Liability for Failure to Make Transfers. If we do not complete a transfer to or from your account on time or in the correct amount according to our agreement with you, we will be liable for your losses or damages. However, there are some exceptions. We are not liable, for instance, if:

- Through no fault of ours, you do not have enough money in your account to make the transfer.
- Your account is restricted (because of a court order or similar reason), and we are not permitted to make the transaction.
- Circumstances beyond our control (such as fire or flood) prevent the transfer, despite reasonable precautions that we have taken.
- Any Automated Clearing House network or other third-party communication system from which we require information to complete transactions was not working properly.

There may be other exceptions permitted by law.

In Case of Errors or Questions About Your Electronic Funds Transfers. If you think your statement is wrong or if you need more information about a transfer listed on the statement, call or write us as soon as you can:

- By phone, in the U.S.: Call us toll-free at 1-800-421-4488, Monday through Friday, from 10:00 a.m. to 7:00 p.m. ET.
- By phone, outside the U.S.: International clients, call us at +1-415-667-8400. Swiss residents, call us at 0800-563711.
- By mail, from all locations: Charles Schwab & Co., Inc., IS Document Control, P.O. Box 982600, El Paso, TX 79998-2600

We must hear from you no later than 60 days after we sent the FIRST statement on which the problem or error appeared.

We need the following information:

- Your name and account number,
- · A description of the error or the transfer you are unsure about,
- A clear explanation of why you believe it is an error or why you need more information, and
- The dollar amount of the suspected error.

If you tell us orally, we may require that you send us your complaint or question in writing within 10 business days.

We will determine whether an error occurred within 10 business days after we hear from you and will correct any error promptly. If we need more time, however, we may take up to 45 days to investigate your complaint or question. If we decide to do this, we will credit your account within 10 business days for the amount you think is in error so that you will have the use of the money during the time it takes us to complete our investigation. If we ask you to put your complaint or question in writing and we do not receive it within 10 business days, we may not credit your account.

For errors involving new accounts, point-of-sale or foreign-initiated transactions, we may take up to 90 days to investigate your complaint or question. For new accounts, we may take up to 20 business days to credit your account for the amount you think is in error.

We will tell you the results within three business days after completing our investigation. If we decide that there was no error, we will send you a written explanation.

You may ask for copies of the documents that we used in our investigation.



Cash Features Program General Terms and Conditions

The automatic investment of your free credit balance, including the frequency and the amount of each sweep, is governed by the terms and conditions set forth in the Cash Features Disclosure Statement and in the Account Agreement applicable to your account. The material in this document is intended for informational purposes only. If there is any conflict between the descriptions in this document and the terms of the Cash Features Disclosure Statement, the Cash Features Disclosure Statement will control.

How the Cash Features Program Works	Schwab's Cash Features Program is the service (described in the Cash Features Disclosure Statement) that we provide to automatically invest, or "sweep," the free credit balance in your account into a liquid investment to earn interest. The program permits you to earn income while you decide how those funds should be invested longer term.
Available Cash Feature	The available cash features currently consist of:
	 The free credit balance in your eligible account (the "Schwab One[®] Interest feature"), on which Schwab pays interest;
	 Interest-bearing deposit accounts at one or more of our affiliated banks (the "Bank Sweep feature" for most accounts and the "Bank Sweep for Benefit Plans feature" for retirement plan accounts); and
	 For some accounts, one or more affiliated money market mutual funds (the "Money Fund Sweep feature").
Eligibility	Eligibility for each cash feature is based on the registered ownership and the type of account. Not all account registrations and account types will be eligible for all cash features. Some account registrations and account types will be eligible for only one cash feature. Please see your Account Application and the Cash Features Disclosure Statement for more complete eligibility details.
Duty to Monitor Eligibility for Cash Features	It is your responsibility to monitor your eligibility for the cash features and determine the best cash feature available to you. Schwab is not responsible for contacting you if you are, or later become, eligible for other higher-yielding cash features.
Interest Rates and Yields	The interest rates and yields for the different cash features vary over time. There is no guarantee that the interest rate and yield on any particular cash feature will be or will remain higher than the interest rate and yield on any other cash features over any period. Current interest rates and yields can be obtained by contacting your independent investment advisor or your Financial Consultant, or by calling us at 1-800-435-4000. If you already have an account, you can visit our website at www.schwab.com/sweep. If your account is an Advisor Services account, please contact your advisor, visit www.schwab.com/SA_sweep, or call Schwab Alliance at 1-800-515-2157.
	• The interest rate on the Schwab One Interest feature is set by Schwab. We have the option to pay as low a rate as possible consistent with our views of competitive necessities. With certain exceptions, the rate will be tiered based upon the overall free credit balance within your account.
	• The interest rate on the Bank Sweep feature is set by our affiliated bank(s), which also has the option to pay as low a rate as possible consistent with their views of competitive necessities. Retirement accounts will be paid a reasonable rate consistent with applicable legal and regulatory requirements. With certain exceptions, the rate will be tiered based upon your account type and the combined amount of your account's Bank Sweep deposits at our affiliated bank(s).

Brokerage Products: Not FDIC-Insured • No Bank Guarantee • May Lose Value



-	
Interest Rates and Yields (Continued)	 The interest rate on the Bank Sweep for Benefit Plans feature is set by our affiliated bank(s), which intend to pay interest consistent with reasonable rate provisions of applicable legal and regulatory requirements. This can be lower than some competitors' rates. Interest rates do not vary by tiers and do not vary based on your cash balances. Money market mutual funds offered through the Money Fund Sweep feature seek to achieve the highest yield (less fees and expenses) consistent with prudence and their investment chieve the more comparison.
	objectives. Cash features are not intended to be long-term investments, and yields on any of our cash features can be lower than those of similar investments or deposit accounts offered outside the Cash Features Program. If you desire to maintain cash balances for other than a short-term period and/or are seeking the highest yields currently available in the market, please contact your Schwab representative or visit www.schwab.com/cash for investment options that may be available outside of the Cash Features Program to help maximize your return potential consistent with your investment objectives and risk tolerance. If your account is an Advisor Services account, please contact your advisor, visit www.schwab.com/SA_cash, or call Schwab Alliance at 1-800-515-2157.
Benefits to Schwab	We charge fees and receive certain benefits under the different cash features. We share a portion of these fees and benefits with our investment professionals. Because of these fees and benefits, we have a financial incentive to select the particular cash features included in the Cash Features Program.
Differing Risks and Account Protection	The different cash features are subject to different risks and account protection:
Account Protection	• The Schwab One [®] Interest feature is not subject to market risk and value loss but is subject to the risk of Schwab's failure. In the unlikely event that Schwab fails, cash is eligible for SIPC coverage up to a limit of \$250,000 (including principal and interest) per client in each insurable capacity (e.g., individual or joint). Free credit balances held at Schwab are not insured or guaranteed by the FDIC.
	• The Bank Sweep and Bank Sweep for Benefit Plans features are not subject to market risk and value loss but are subject to the risk of the failure of one or more of our affiliated banks. In the unlikely event that one or more of our affiliated banks fails, deposits at each bank are eligible for FDIC insurance protection up to a limit of \$250,000 (including principal and interest) per depositor in each insurable capacity (e.g., individual, joint, and plan participant). This limit includes any other deposits you may have at that bank outside of the Bank Sweep and Bank Sweep for Benefit Plans features. You are responsible for monitoring your bank balances in the Bank Sweep and Bank Sweep for Benefit Plans features and the balances in any of your other bank accounts at each affiliated bank to determine if these, in total, exceed FDIC insurance limits. Monies held in both features are not covered by SIPC.
	• Money market mutual funds in the Money Fund Sweep feature invest in high-quality, short- term securities and seek to maintain a stable value, but are subject to market risks and potential value loss. They are not bank accounts and are not subject to FDIC insurance protection. They are instead covered by SIPC, which protects against the custodial risk (and not a decline in market value) when a brokerage firm fails by replacing missing securities and cash up to a limit of \$500,000, of which \$250,000 may be cash. Shares held through the Money Fund Sweep feature are not considered cash, but are treated as securities for SIPC coverage.



Important Information About Your Informed Consent to Receive Paperless Documents

The Purpose and Effect of Your Consent

This disclosure and informed consent applies to all communications for those accounts, products and services offered in person or available via Schwab.com, Schwaballiance.com, or via a Schwab mobile website or mobile application used to access those accounts, products or services, to the extent they are not otherwise governed by the terms of a separate disclosure and informed consent.

We are required to provide to you "in writing" certain records and disclosures about our relationship and transactions in your account. You are entitled to receive those documents on paper. With your affirmative consent, we can provide the documents to you electronically instead via the Schwab Paperless Documents program ("Paperless Documents"). The information below will help you understand the conditions and requirements relating to Paperless Documents. You can always find the most up-to-date version of this important information at schwab.com/paperless_consent.

Paperless Documents categories include: tax forms, trade confirmations, shareholder materials, statements and account documents (e.g., account statements and other account-related documents associated with the account, including account agreement amendments and program disclosures, fund prospectuses, and investment advisory service disclosures). Each of these document categories is described in detail below. If you are opening an account, the account agreements and account and program disclosures delivered to you as part of the account opening process are also included in Paperless Documents. Electronic documents specific to your transactions and account will be available online for up to 10 years from the date of initial delivery. Your consent to receive documents electronically is not limited in duration and does not expire.

Depending on where you reside, the initial scope of your Paperless Documents enrollment, and whether you have made modifications to your enrollment, not all document categories may apply to you. Certain documents that are not currently included in Paperless Documents may continue to be delivered to you via postal mail. In the future, some or all of these documents may be added to Paperless Documents and made available to you electronically in accordance with your informed consent to this disclosure. If you are uncertain which documents are covered by your Paperless Documents enrollment, please check online at schwab .com/paperless_services or call or email Schwab or Schwab Bank using the contact information below.

For additional information about Schwab Bank account statements, see the "Addendum" on the following page.

You indicate your consent to Paperless Documents by providing an email address and signing an account agreement, or by clicking or touching an "I consent" or other button indicating assent to or acceptance of the conditions and requirements relating to Paperless Documents, and we record your consent. The method of consent may depend on whether you are opening an account or separately enrolling in Paperless Documents for an existing account. If you do not provide consent, Schwab or Schwab Bank will send you paper copies. Your consent will be effective until you cancel your enrollment in Paperless Documents or Schwab or Schwab Bank notifies you that the program is discontinued. If you are a joint account holder, your consent binds the other account holder.

By providing consent, you confirm that you have the ability to access Schwab on the web, and the ability to open, view, save, retain, and print PDF documents as described below. These abilities demonstrate that you can receive the documents we will deliver to you. You also confirm that you have provided a valid email address as part of the account opening or Paperless Documents enrollment process.

We may, if necessary and at our discretion, end your participation in Paperless Documents, or change the terms and conditions relating to Paperless Documents and electronic communications. It is your responsibility to review any updates in a timely manner. We will provide you with notice of any discontinuation or update as required by law.

Our Contact Information to Request Paper or Ask Questions

To access the document and print a copy, log in to your Schwab or Schwab Bank account, select the "Accounts" tab, then select "Statements." To

request paper, ask questions about, or report problems concerning Paperless Documents, you may contact us as follows:

To contact us by email, log in to Schwab.com, click "Contact Us," and then click "Send a Secure Message." Advisor Services clients, please log in to schwaballiance.com. To contact us by phone:

- Investor Services clients: 1-800-435-4000.
- Schwab Bank High Yield Investor Checking® (or other Schwab Bank) clients: 1-888-403-9000.
- Clients in the U.K.: 00 800 0826-5001.
- Clients in other countries: +1-415-667-8400.
- Advisor Services clients: Contact your independent advisor or call 1-800-515-2157.
- Schwab Intelligent Portfolios Solutions™ clients: 1-855-694-5208.
- Institutional Intelligent Portfolios[®] clients: 1-877-805-3399.

To Withdraw Your Consent

When you change your preference back to postal mail delivery, this cancels your enrollment in Paperless Documents and withdraws your consent for the document categories you indicate. You can do this by logging in to schwab.com/paperless_services, or by calling or emailing Schwab or Schwab Bank using the contact information above. Allow 48 hours for processing. Your consent will remain effective for other document categories for which you maintain a paperless delivery preference.

Important note for Schwab Advisor Services clients: Canceling or modifying your enrollment may make your account(s) ineligible for lower commission rates, and the commissions you pay can increase.

Important note for Schwab Intelligent Portfolios Solutions and Institutional Intelligent Portfolios clients: Intelligent Portfolios is an all-electronic service. If in the future you request paper documents, withdraw your consent, or are unable to receive Paperless Documents, Schwab may terminate your account.

Electronic Notification When a Paperless Document Is Ready

We send you an email to let you know a document is available. For some documents, the email itself will be the paperless document. For other documents, the email will contain a link that will allow you to access or download the document, and your login may be required prior to such access.

Keeping Your Email Address Current and Actions Schwab or Schwab Bank Will Take If There Is a Problem

Please note that after three consecutive months of unsuccessful electronic delivery attempts of your tax forms, trade confirmations, or statements and account documents, your account(s) will revert back to postal mail delivery. This will cancel your enrollment in Paperless Documents and withdraw your consent to receive Paperless Documents.

It is your responsibility to notify Schwab or Schwab Bank of any change in your email address by logging in to the Schwab site and going to Service > My Profile > Email Addresses or using the contact information above. In addition to the unenrollment process outlined above, if we receive any indication either that the email notification did not reach you successfully or that there is a problem with your email address or service, we will take the following actions:

- Tax Forms—Send a letter by postal mail within two business days to inform you that we were unable to deliver your tax form electronically. In certain circumstances, as may be required by law or regulation or for other reasons, we may send you the tax form itself by postal mail within the time period prescribed by the relevant legal or regulatory requirements.
- Trade Confirmation—Send a paper copy of trade confirmation by postal mail within 24 hours. Also send a letter by postal mail to inform you that we were unable to deliver your Trade Confirmation to you electronically.
- Statements and Account Documents—Send a letter by postal mail informing you that we were unable to deliver your statement or account document electronically.



• Shareholder Materials—Send a paper copy of the shareholder materials via postal mail within 24 hours. We will send you a letter informing you that we were unable to deliver your shareholder materials electronically. The account will be unenrolled from Paperless Documents, and we will begin to send you paper shareholder materials.

Hardware and Software Requirements

Paperless Documents requires you to have access to a device (computer or smartphone) with Internet service and an active email account and address, along with the following:

- A current version of a common Internet browser, with JavaScript enabled.
- A current version of a program, such as Adobe[®] Reader[®], that accurately reads and displays PDF documents. If you do not have Adobe Acrobat installed on your device, you can download the free software at adobe.com.
- An operating system on your device that supports the above.
- A printer that connects to your device, if you wish to print documents.
- Electronic storage connected to your device, if you wish to retain records in electronic form. (If you are using your computer, just save documents to your local hard drive.)

If you use your smartphone, you must access the full Schwab website to view and print your documents. If you have questions relating to hardware and software requirements, please call or email Schwab using the contact information on the previous page.

Security and Privacy Information

Unless expressly stated, email notifications for Paperless Documents are not encrypted. For security and confidentiality, unencrypted emails will not include your name, full account number, or any other personal identifier. Be aware, however, that some email addresses may use part of your name or your entire name. If you use a work email address, your employer or other employees may have access to your email. To help you identify your account, we may include some portion, but not all, of your account number. Schwab or Schwab Bank may use a vendor to deliver Paperless Documents.

Whether Schwab, Schwab Bank, or a vendor delivers the documents, Schwab's privacy policy applies.

Records and Disclosures Included in Schwab and Schwab Bank's Paperless Documents Program

Tax Forms ("eTax Documents")

A tax document provides important information you need to complete your tax returns. Much of the information we provide in tax documents is also reported to the IRS. This includes any corrected tax documents and accompanying notices. When a tax document is ready, we will send an email notification with the subject line "IMPORTANT TAX RETURN DOCUMENT AVAILABLE" and containing a web link to the document available after you log in.

Trade Confirmations ("eConfirms")

A trade confirmation is an official record of your securities transaction. It includes the price, number of shares, and the commission we charge you, as well as disclosures required under federal law. If you choose to receive paperless trade confirmations, the terms and conditions of your transaction will appear in the email and on a web page you can link to from the email. Your consent to receive paperless trade confirmations also includes paperless delivery of prospectuses or other regulatory information we provide to you at the time of your trade. Your consent to receive paperless trade confirmations also covers paperless delivery of Trade Confirmation Reports (TCRs) if you elect this alternative as part of your Managed Account enrollment.

Statements and Account Documents ("eStatements")

An account statement provides important information about your account, including the price and quantity of securities you hold, the transactions conducted, other activity in your account, and terms and conditions governing your account. Account statements are sent at the end of each month in which you conducted activity in your account or at the end of each calendar quarter, regardless of any account activity. With your account statements, we often include accompanying account-related notices and other regulatory information, including, but not limited to, Schwab's Statement of Financial Condition, pricing changes, changes to payment features, privacy policy, annual notices, amendments to your account agreements, and any other documents, notices, and disclosures required by law or regulatory rules to be provided to you. At account opening and from time to time thereafter, we also send you notifications about your account. Collectively, we call these documents, notices, and disclosures "account documents." When you consent to paperless account statements, you also consent to paperless account documents.

Investment Advisory Service Disclosures (A Sub-Category of Account Documents)

Your consent to paperless Statements and Account Documents includes investment advisory program disclosures, brochure supplements with information about individual Schwab representatives, and related materials such as periodic updates or annual summaries of any changes to those documents ("Form ADV Disclosures") as Schwab makes these available in the future. The investment advisory programs may include, but are not limited to, Schwab Managed Portfolios™ Schwab Managed Account Services™ Schwab Intelligent Portfolios Solutions™ and other similar advisory services, and fee-based Financial Planning Services. In addition to Schwab's and its affiliates' own Form ADV Disclosures, your consent also covers ADV Disclosures from third-party investment advisors whose services you select through Schwab. Paperless Form ADV Disclosures may accompany your account statements or be sent independently. If the third party does not make its Form ADV Disclosures available electronically, you will instead receive the standard printed materials by postal mail.

Shareholder Materials ("Electronic Delivery")

Shareholder materials include regulatory information such as prospectuses; prospectus supplements; quarterly, semi-annual, and annual reports; and proxy materials. You will receive an email notification with a web link to shareholder materials if you have a position in an equity or mutual fund as of the record date for a particular shareholder distribution and the materials are made available electronically by the issuer or third party. If the issuer or third party does not make shareholder materials available electronically, you will instead receive the standard printed materials by postal mail. By providing your consent to receive electronic delivery of shareholder material, you also consent to electronic householding. This means that if you and someone else enroll in this paperless service using the same email address, we may send one email announcement to this email address if each account holds securities of the same issuer. This avoids duplicate mailings of shareholder documents. If you no longer want electronic householding of your shareholder materials, you must modify your Paperless Documents enrollment as described above. Your shareholder materials may include electronic proxies. You may elect to vote your proxy online at proxyvote.com by entering the control number included in your email announcement and the last four digits of your Social Security number or Taxpayer Identification Number as your PIN.

Addendum for Schwab Bank Paperless Statements ("eStatements")

Schwab Bank Paperless Documents categories include statements and account documents and tax forms. The above information regarding the purpose and effect of your consent, including how to request paper delivery, how to ask questions, how to withdraw consent for paperless delivery, electronic notification of ready statements, keeping a current email address, hardware and software requirements, and security and privacy information, are all applicable to Schwab Bank accounts. Paperless Documents include account statements and tax forms. In addition, account statements for your Investor Checking account(s), Investor Savings account(s), and Pledged Asset Line® account(s) provide important information about your accounts, including the account balance; the transactions conducted; other activity in your accounts.

Brokerage Products: Not FDIC-Insured = No Bank Guarantee = May Lose Value

Charles Schwab Bank, SSB and Charles Schwab & Co., Inc. are separate but affiliated companies and subsidiaries of The Charles Schwab Corporation. Brokerage products offered by Charles Schwab & Co., Inc. are not insured by the FDIC, are not deposits or obligations of Charles Schwab Bank, SSB and are subject to investment risk, including the possible loss of principal invested. Deposit and other lending products and services are offered by Charles Schwab Bank, SSB, Member FDIC and an Equal Housing Lender. Charles Schwab Bank, SSB is not acting or registered as a securities broker-dealer or investment advisor.

