



IRA Application

For Use With Turnkey Asset Management Providers ("TAMPs")

Schwab is not affiliated with your investment advisor ("Advisor") or any Turnkey Asset Management Provider ("TAMP"). Schwab will act only as broker-dealer and custodian for your accounts, effecting transactions as instructed by your Advisor and/or TAMP. Schwab will charge fees for its services separate from fees charged by your Advisor and/or TAMP.

Investment Advisor ("Advisor") Information (This portion to be completed by Advisor.)

Advisor Firm Name *(Please print.)*

Advisor Master Account Number for Use With TAMPs **Service Team**

Advisor Contact Name *(If follow-up is required)* **Telephone Number** **Email Address**

Turnkey Asset Management Provider ("TAMP") Information

TAMP Firm Name *(Please print.)*

TAMP Master Account Number

1. Account Holder Information

For information about Schwab's privacy policy, see the Account Application Agreement.

Caution: You may have multiple accounts associated with your customer record, including Individual, Trust, Corporations, etc. All accounts associated with your profile will be updated with the address you have provided.

As required by federal law, Schwab will use the information provided to verify the identity of all account holders.

Name *First* *Middle* *Last*

Social Security Number **Date of Birth** *(mm/dd/yyyy)* **Preferred Name or Alias** *(if applicable)*

Regulations require that you provide us with your legal address.

Home/Legal Street Address *(no P.O. boxes)*

City **State or Province** **Zip or Postal Code**

Mailing Address *(Include mailing address if different from home/legal address. P.O. boxes may be used.)*

City **State or Province** **Zip or Postal Code**

Telephone Number **Mobile Number** **Work Number** **Extension**

For Charles Schwab Use Only _____
Account Number

Email Address*

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

Country(ies) of Citizenship (Must list each separated by a comma.)

USA Other: _____

Country of Legal Residence (Select only one.)

USA Other: _____

ID Number and Type (Please select only one box and provide the relevant information below.)

Passport Driver's License U.S. Gov't-Issued ID

Identification Number	Country of Issuance	State of Issuance (if applicable)	Issue Date (mm/dd/yyyy)	Expiration Date (mm/dd/yyyy)
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Securities industry regulations require that we collect the following information.

Employment Information (Please select only one box.)

Employed Self-Employed Retired Homemaker Student Not Employed

Occupation (If you selected "Employed" or "Self-Employed," please select one option that best describes your occupation.)

<input type="checkbox"/> Business Owner/Self-Employed	<input type="checkbox"/> Financial Services/Banking Professional	<input type="checkbox"/> Military	<input type="checkbox"/> Consultant
<input type="checkbox"/> Executive/Senior Management	<input type="checkbox"/> Information Technology Professional	<input type="checkbox"/> Educator	<input type="checkbox"/> Other (specify): _____
<input type="checkbox"/> Medical Professional	<input type="checkbox"/> Other Professional	<input type="checkbox"/> Sales/Marketing	_____
<input type="checkbox"/> Legal Professional	<input type="checkbox"/> Clerical/Administrative Services	<input type="checkbox"/> U.S. Government Employee (Federal/State/Local)	
<input type="checkbox"/> Accounting Professional	<input type="checkbox"/> Foreign Government Employee (Non-U.S.)	<input type="checkbox"/> Trade/Service (Labor/Manufacturing/Production)	

Employer Name/Business Name	Business Street Address		
_____	_____		
City	State	Zip or Postal Code	Country
_____	_____	_____	_____

The Next Two Questions Are Required by Industry Regulations:

Are you or an immediate family member associated with or employed by a stock exchange or member firm of an exchange or FINRA, or a municipal securities broker-dealer?

No Yes (If "Yes," you must attach a letter from your or your immediate family member's employer or affiliated broker-dealer approving the establishment of your account when submitting this application. **List the company name** _____ .)

Are you a director, 10% shareholder or policy-making officer of a publicly held company?

No Yes (If "Yes," enter company name _____ and trading symbol _____ .)

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.

* 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 www.schwab.com/accountagreement.

Trusted Contact Information

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

Trusted Contact Person 1

If you have no changes to your existing Trusted Contact, please skip this section.

Name *First* _____ *Middle* _____ *Last* _____ *Suffix* _____

Relationship (Please select only one.)

- Spouse Partner Child Parent Sibling Friend Other

Please provide at least one method of contact for each Trusted Contact listed.

Mailing Address (no P.O. boxes) _____ City _____

State or Province _____ Zip or Postal Code _____ Country _____

Telephone Number _____ Mobile Number _____ Email Address _____

Trusted Contact Person 2

If you have no changes to your existing Trusted Contact, please skip this section.

Name *First* _____ *Middle* _____ *Last* _____ *Suffix* _____

Relationship (Please select only one.)

- Spouse Partner Child Parent Sibling Friend Other

Please provide at least one method of contact for each Trusted Contact listed.

Mailing Address (no P.O. boxes) _____ City _____

State or Province _____ Zip or Postal Code _____ Country _____

Telephone Number _____ Mobile Number _____ Email Address _____

2. Select IRA Type (Select only one type of account.)

Traditional IRA (Please select only one.)

- Contributory IRA**
 Rollover IRA
 Rollover from an employer retirement plan

_____ \$ _____
Name of Employer Sponsoring the Plan **Approximate Total Value of Distribution**

Expected Distribution Date (mm/dd/yyyy, if known)

By signing this Application, I elect that my IRA assets identified above be considered a rollover. This election is required by the IRS to qualify my contribution as a rollover contribution.

Roth IRA (Please select only one.)

- Roth Contributory**
- Roth Conversion** (from a Schwab Traditional IRA)

Current Schwab Traditional IRA to Convert

Amount to convert to Roth IRA:

- Full conversion: The entire balance of your IRA will be converted.**
- Partial conversion: Only a portion of your IRA will be converted. Attach a separate sheet of paper listing the name of the asset and number of shares.**

Note: Tax Withholding Elections provided below **only** apply if you've selected a Roth Conversion from a Traditional IRA. These elections will apply to the Traditional IRA and will also remain on file for disbursements from the Traditional IRA unless an updated Tax Withholding Election is provided for future disbursements.

Important Tax Withholding Election Notice: Distributions treated as nonperiodic payments from your IRA (excluding those from Roth IRAs) are generally subject to federal (and possibly state) income tax. Even if you elect in writing not to have federal and/or state income tax withheld when permitted, you are liable for payment of federal and state income taxes on the taxable portion of your distribution. You may elect not to have federal income tax withholding apply to your distribution by entering 0% on the line of Section A. Federal Income Tax Withholding below, and signing and dating this form. If you elect not to have withholding apply to your distribution, or if you do not have enough tax withheld, you may be responsible for payment of estimated taxes. You may also incur penalties under the estimated tax rules if your withholding and estimated tax payments are not sufficient. For more information, see IRS Publication 590-B.

Your tax withholding election will remain in effect on all distributions from this IRA until you change or revoke it. You may change or revoke your tax withholding election at any time by submitting your request to Schwab. The federal or combined federal and state withholding tax rate of 100% will not be retained for future distributions. To process a distribution with a federal or combined federal and state withholding tax rate of 100%, please request a one-time check.

Withholding income taxes may subject you to IRS penalties if you are under age 59½ because the amount withheld is considered a distribution. Schwab recommends that you contact your tax advisor regarding your tax withholding election.

Note:

- Distributions from an IRA that are payable on demand are treated as nonperiodic payments.
- Non-resident aliens are subject to a 30% tax withholding rate and must submit a valid IRS Form W-8BEN to obtain an available reduced tax treaty rate.
- Generally, Roth IRA distributions are not taxable. Unless you have an existing election on file or elect to withhold on this form, we will not withhold taxes from your Roth IRA distribution.

A. Federal Income Tax Withholding: Your withholding rate is determined by the type of payment you will receive.

For nonperiodic payments, the default withholding rate is 10%. You can choose to have a different rate by entering a rate between 0% and 100% below. Generally, you can't choose less than 10% for payments to be delivered outside the United States and its possessions. Complete the line below if you would like a rate of withholding that is different from the default withholding rate. See the Marginal Rate Tables on page 1 and the General Instructions on page 2 of the attached IRS Form W-4R. You may use these tables to help you select the appropriate withholding rate for this payment or distribution. Instructions on how to best use them are included.

Enter the rate as a whole number (no decimals). _____ %

Note: The attached IRS Form W-4R is for information only. You are not required to complete the IRS Form W-4R.

B. State Income Tax Withholding: State income tax withholding from your distribution may be required. In some cases, you may elect not to have withholding apply, or you may elect to increase the rate of withholding. In other cases, state income tax withholding may not be available. Refer to the State Income Tax Withholding Information sheet for specific information concerning your state's withholding rates.

While Schwab makes every effort to obtain information about state tax laws from sources believed to be reliable, Schwab cannot guarantee the accuracy or timeliness of state tax withholding information because state tax laws are subject to constant change and interpretation. We recommend that you contact your tax advisor regarding your tax withholding elections and to answer any questions that you may have.

If you do not make an election, Schwab will apply withholding (if required) at the minimum rate based on the laws for your state of residency as determined by the legal address of record on your account.

Choose one:

- I do not want** state income tax withheld.
- I want** state income tax withheld at the rate of _____ % (State tax withholding must be at least your state's minimum tax rate and not more than 100% when combined with federal income tax withholding.)

Note: If you move between states with different withholding laws, Schwab will apply withholding (if required) at the rate you have provided above or at the minimum rate based on the laws for your new state of residency, whichever is greater.

Roth Conversion (from a Schwab Qualified Plan*)

Current Schwab Qualified Plan to Convert

Note: You are required to complete and attach the appropriate Schwab Qualified Plan distribution form. (Tax withholding information will be provided within the distribution form.)

* A Schwab Qualified Plan is a Schwab Profit Sharing Qualified Retirement Plan or Keogh, a Schwab Individual 401(k), or a Schwab 403(b)(7) Account.

Inherited IRA/Spousal Rollover IRA (Please select only one.)

Select Spousal Rollover IRA if you are the spouse beneficiary of a qualified retirement plan or you want to roll over or transfer the decedent's account into your own IRA.

Inherited IRA **Spousal Rollover IRA**

Decedent Information:

Name *First* _____ *Middle* _____ *Last* _____

Social Security/Tax ID Number _____ Schwab IRA or Schwab Qualified Plan Account Number _____ Date of Death (mm/dd/yyyy) _____

Check the type of account you are inheriting. (Please select only one.)

- Traditional IRA** (includes Rollover, SEP, SIMPLE or Inherited Traditional IRA)
- Roth IRA** (includes Inherited Roth IRA)
- Qualified plan*** (e.g., profit-sharing, money purchase, 401(k), Individual 401(k), 403(b) and 457 plans)
- Qualified plan*** (Roth elective deferrals only—e.g., Roth 401(k))

*If you are uncertain of the type of qualified plan that the decedent held, please contact the plan administrator for further clarification.

SIMPLE IRA (Please note: This form can be used only to add participants to an existing plan.)

Name of Business _____ Employer's Group Plan Number _____

Simplified Employee Pension (SEP) IRA (Select only one. Application must include Adoption Agreement and Employer's Agreement.)

SEP-IRA **SARSEP-IRA**

Name of Business

3. Designate Your Beneficiary(ies)

In the event of my death, pay the full value of my account (in equal proportions, in the case of multiple beneficiaries, unless I indicate otherwise) to the Primary Beneficiary(ies) as designated below. I understand that if a Primary Beneficiary passes away before me, the remaining portion will be divided proportionately among any surviving Primary Beneficiaries in the manner provided in the Charles Schwab & Co., Inc. Individual Retirement Plan. If no Primary Beneficiary survives me, pay the full value of my account (in equal proportions, in the case of multiple beneficiaries, unless I indicate otherwise) to the Contingent Beneficiary(ies) as designated below. I understand that if a Contingent Beneficiary passes away before me, the remaining portion will be divided proportionately among any surviving Contingent Beneficiaries in the manner provided in the Charles Schwab & Co., Inc. Individual Retirement Plan. Any beneficiary who does not survive me by 120 hours will be considered to have passed away before me. If I do not designate a Beneficiary, the balance of the account shall be distributed in the listed order of priority to the following named person(s) surviving me:

- a) my spouse,
- b) my living children (natural or legally adopted) in equal shares; stepchildren are not legally defined as descendants for these purposes,
- c) my estate.

I understand that I may change or revoke this designation at any time by completing a new Beneficiary Form during my lifetime with Schwab. It will become effective when Schwab receives it.

I understand that if Schwab determines that my beneficiary designation is not clear with respect to the amount of the distribution, the date on which the distribution shall be made, or the identity of the party or parties who will receive the distribution, Schwab shall have the right, in its sole discretion, to consult counsel and to institute legal proceedings to determine the proper distribution of the account, all at the expense of the account, before distributing or transferring the account.

If I live in a state with community-property statutes and do not designate my spouse as the sole Primary Beneficiary, I represent and warrant that my spouse has consented to such designation.

If this account is for a minor, I understand that only the minor's estate can be the beneficiary until such time as the minor becomes the owner of the account and designates his or her own beneficiaries.

The information included in this section will supersede any previous designation of a beneficiary(ies) for this account. By leaving this section blank, I do not designate anyone to be my beneficiary for this account.

The percentage portions must add up to 100% per beneficiary type. The portion can be extended to the hundredths position (e.g., 33.33%). If left blank, portions will be evenly distributed amongst beneficiaries.

Note: Benefits cannot be expressed in dollar amounts.

If you wish to indicate additional designation options including, but not limited to Per Stirpes or Per Capita designations, please skip this section, complete the Schwab IRA Beneficiary Designation form, and submit it with this application. For future beneficiary designations and changes, visit www.schwaballiance.com/beneficiaries.

Beneficiary 1

Type of Beneficiary

Primary Contingent _____ Portion %

Name *First* _____ *Middle* _____ *Last* _____ *Suffix* _____

Trust/Organization/Estate (If Trust, include full Trust name.)

Relationship (Select only one.) Spouse Child Grandchild Parent
 Sibling Other Individual Trust Organization Estate

Social Security/Tax ID Number _____ Date of Birth/Trust Date (mm/dd/yyyy) _____

Mailing Address

City _____ State or Province _____ Zip or Postal Code _____ Country _____

Telephone Number _____ Email Address _____

Country(ies) of Citizenship USA Other: _____ | Country of Legal Residence (Select only one.)
 USA Other: _____

Beneficiary 2

Type of Beneficiary

Primary Contingent _____ Portion %

Name *First* _____ *Middle* _____ *Last* _____ *Suffix* _____

Trust/Organization/Estate (If Trust, include full Trust name.)

Relationship (Select only one.) Spouse Child Grandchild Parent
 Sibling Other Individual Trust Organization Estate

Social Security/Tax ID Number _____ Date of Birth/Trust Date (mm/dd/yyyy) _____

Mailing Address

 City State or Province Zip or Postal Code Country

 Telephone Number Email Address

Country(ies) of Citizenship Country of Legal Residence (Select only one.)
 USA Other: _____ | USA Other: _____

Beneficiary 3

Type of Beneficiary

Primary Contingent _____ Portion %

 Name First Middle Last Suffix

Trust/Organization/Estate (If Trust, include full Trust name.)

Relationship (Select only one.) Spouse Child Grandchild Parent
 Sibling Other Individual Trust Organization Estate

 Social Security/Tax ID Number Date of Birth/Trust Date (mm/dd/yyyy)

Mailing Address

 City State or Province Zip or Postal Code Country

 Telephone Number Email Address

Country(ies) of Citizenship Country of Legal Residence (Select only one.)
 USA Other: _____ | USA Other: _____

Beneficiary 4

Type of Beneficiary

Primary Contingent _____ Portion %

 Name First Middle Last Suffix

Trust/Organization/Estate (If Trust, include full Trust name.)

Relationship (Select only one.) Spouse Child Grandchild Parent
 Sibling Other Individual Trust Organization Estate

 Social Security/Tax ID Number Date of Birth/Trust Date (mm/dd/yyyy)

Mailing Address

City	State or Province	Zip or Postal Code	Country
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Telephone Number	Email Address
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Country(ies) of Citizenship | **Country of Legal Residence** (Select only one.)

USA Other: _____ | USA Other: _____

If more than four Primary or Contingent Beneficiaries are designated, attach a separate sheet of paper, signed and dated the same as on this application.

4. Your Consent to Enroll in Schwab's Cash Features Program

The Cash Features Program is a service that offers the Bank Sweep feature (a "Cash Feature") to permit your uninvested cash (the "Free Credit Balance") to earn income while you decide how those funds should be invested longer term.

You understand that additional information about the Cash Features Program and each Cash Feature is available in the Cash Features Disclosure Statement.

By signing this Application, you consent to having the Free Credit Balance in your brokerage account included in the Cash Features Program, as described in the Cash Features Disclosure Statement.

The Bank Sweep feature is designated as the 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.

You understand and agree that Schwab may (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 change.

5. Advisor and TAMP Authorizations

Advisor Authorizations (Optional)

You may change or revoke these Authorizations at any time by providing written notice to Schwab. (Please select all that apply.)

Trading and Disbursement Authorization for Checks and Journals. Selecting this option indicates that I have authorized my Advisor to take the following actions, and I instruct Schwab to permit my Advisor: (1) to place trades in my account as provided under the Trading Authorization heading in the attached Account Application Agreement; (2) to remit checks to me at my address of record; and (3) to journal cash and/or securities to a Schwab brokerage account on which I am named account holder (known as a first-party transfer).

This disbursement authorization does not apply to wire disbursements; Schwab MoneyLink® distributions; or direct, ongoing electronic payments of dividends, interest, and money market income, which use separate forms. (Note: Trading and Disbursement Authorization for Checks and Journals is not available for Estate accounts.)

Trading Authorization. Selecting this option indicates that I have authorized my Advisor, and I instruct Schwab to permit my Advisor, to place trades in my account as provided under the Trading Authorization heading in the attached Account Application Agreement. My Advisor has agreed not to trade in my accounts when they are being managed by a TAMP.

Fee Payment Authorization. By checking the box and signing this Application, I authorize Schwab to pay investment advisory and related fees to my Advisor from my account or another account registered to my name over which I have granted my Advisor fee payment authorization in the amount of my Advisor's instructions.

TAMP Authorizations (Optional)

You may change or revoke these Authorizations at any time by providing written notice to Schwab. (Please select all that apply.)

- Trading and Disbursement Authorization for Checks and Journals.** Selecting this option indicates that I have authorized my TAMP to take the following actions, and I instruct Schwab to permit my TAMP: (1) to place trades in my account as provided under the Trading Authorization heading in the attached Account Application Agreement; (2) to remit checks to me at my address of record; and (3) to journal cash and/or securities to a Schwab brokerage account on which I am named account holder (known as a first-party transfer).

This disbursement authorization does not apply to wire disbursements; Schwab MoneyLink® distributions; or direct, ongoing electronic payments of dividends, interest, and money market income, which use separate forms. (Note: Trading and Disbursement Authorization for Checks and Journals is not available for Estate accounts.)

- Trading Authorization.** Selecting this option indicates that I have authorized my TAMP, and I instruct Schwab to permit my TAMP, to place trades in my account as provided under the Trading Authorization heading in the attached Account Application Agreement.
- Fee Payment Authorization.** By checking the box and signing this Application, I authorize Schwab to pay investment advisory and related fees to my TAMP from my account(s) in the amount of my TAMP's instructions.

Advisor and TAMP Authorizations

Account Information. I authorize Schwab to send information regarding my accounts to third parties designated by my Advisor or TAMP, as described in the Account Application Agreement.

6. Issuer Communications and Related Actions

If you have granted your Investment Advisor ("IA") trading authority over your Account and your IA exercises investment discretion for you pursuant to an advisory contract, you can appoint your IA to be sent certain issuer and issuer-related communications (such as proxies, corporate reorganizations and other corporate actions, including tender offers, proposed mergers, rights offerings, exchange offers and warrants, among other things), that may require a voting decision or other action, regarding investments held in your Account.

If you appoint your IA in Sections A, B and/or C below, your IA will, regarding only those voting decision or other action communications sent to your IA: (i) be requested to vote proxy ballots; (ii) be requested to provide instructions regarding corporate reorganizations and other corporate actions; and (iii) be sent certain prospectuses and annual reports and other communications ("interim mailings"). In these cases, you will be authorizing your IA to make all voting decisions and take all actions on your behalf.

Even if you appoint your IA in any or all of the sections below, you may still be sent certain other issuer and issuer-related communications regarding investments held in your Account. You agree that you will be responsible for providing Charles Schwab & Co., Inc. ("Schwab") any applicable instructions or directions on those items.

If you do not make a selection in any, or all, of Sections A, B and/or C below, Schwab will send you the applicable communications and deem you to have indicated that you will be responsible for providing Schwab any applicable instructions or directions on those items, but informational copies of those communications and issuer-related communications may be sent to your IA.

Please indicate whom you authorize to receive and vote proxies, make reorganization decisions and receive interim mailings. Select only one option for each item.

A. Proxy Voting Authorization and Mailing Preferences

Select only **one** who should be sent and vote proxy ballots:

- Account Holder** **IA**

Select only **one** who should be sent informational, nonvoting copies:

- Account Holder** **IA (May choose only if Account Holder is voting.)** **None**

B. Corporate Reorganizations and Other Corporate Actions

Select only **one** who should be sent response coupons and make reorganization decisions:

- Account Holder** **IA**

Select only **one** who should be sent informational copies:

- Account Holder** **IA (May choose only if Account Holder is voting.)** **None**

C. Interim Mailings

Please indicate only **one** who should be sent interim mailings:

- Account Holder** **IA** **Both Account Holder and IA**

Objection to Release of Information to Issuers

Rule 14b-1 of the Securities Exchange Act of 1934, as amended, requires that, upon the issuer's request, Schwab disclose your name, address and security positions to the issuer of any security held in your Account unless you object to disclosure of this information.

- Yes, I object to Schwab's release of my name, address and securities positions to issuers whose securities are held in my Account.**
- No, I do not object to Schwab's release of my name, address and securities positions to issuers whose securities are held in my Account.**

7. Paperless Document Enrollment

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. Enrollment may also qualify you for lower online equity trades—consult your Advisor or the applicable *Charles Schwab Pricing Guide* for additional details.

To opt for Paperless Documents, simply provide your email address in the "Account Holder Information" section. 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 the "Account Holder Information" section, have logged on to www.schwaballiance.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 www.schwaballiance.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 www.schwaballiance.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.

8. Authorization to Open Account(s) (Please read and sign below.)

By signing this Application, you hereby adopt the applicable Individual Retirement Plan that names Charles Schwab & Co., Inc. as custodian of this account, as further explained in the Charles Schwab & Co., Inc. Individual Retirement Plan or the SIMPLE Individual Retirement Plan, as applicable.

You acknowledge that you have received and read a copy of the attached Account Application Agreement, which contains a predispute arbitration provision. You acknowledge that your signature signifies and constitutes your agreement that this account and your relationship with Schwab will be governed by the Account Application Agreement and all incorporated agreements and disclosures, including, but not limited to, the Schwab IRA and ESA Account Agreement and the applicable *Charles Schwab Pricing Guide*, each as amended from time to time (the "Agreements and Disclosures"). You understand there are fees associated with establishing, maintaining, engaging transactions in and transferring assets out of this account.

This account is established and effective when you receive your account number. You have the right to cancel the account within seven days from the date the account is established. The revocation will be reported to the Internal Revenue Service as a distribution.

For purposes of this Account Application and the attached Account Application Agreement, the terms "I," "my" 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. Note: You may not alter, change, supplement, or amend ("modifications") the terms and conditions of this Account Application Agreement, Application Agreement, or the Agreement and Disclosures in any manner. You agree that Schwab shall not be liable for any modifications made without Schwab's prior written consent.

I certify, under penalty of perjury, that (1) the number shown on this Application is the correct Taxpayer Identification Number; (2) I am not subject to backup withholding due to a failure to report interest and dividend income; (3) I am a U.S. person (a U.S. citizen or U.S. resident alien); and (4) I am exempt from Foreign Account Tax Compliance Act (FATCA) reporting. I understand that if I have been notified by the IRS that I am subject to backup withholding as a result of dividend or interest underreporting and I have not received a notice from the IRS advising me that backup withholding is terminated, I must cross out item 2 above.

The Internal Revenue Service does not require your consent to any provision of this document other than the certifications required to avoid backup withholding.

The Agreement with Schwab includes a predispute arbitration clause. I acknowledge receipt of the predispute arbitration clause contained in the Required Arbitration Disclosures and Arbitration Agreement sections, pages 3-4, of the Account Application Agreement.

X _____ **Signature: Account Holder** _____ **Today's Date (mm/dd/yyyy)**

Print Name

9. Confirmation Notice Authorization (Please read and sign below.)

The undersigned does not wish to receive Confirmations from any of the Executing Brokers in connection with the undersigned's prime broker relationship with Schwab. Because the undersigned will receive Confirmations from Schwab for each transaction effected for the undersigned's accounts, the Executing Brokers are hereby authorized to send Confirmations to Schwab as the prime broker. If requested, all Executing Brokers shall be entitled to rely upon a copy or facsimile of this Confirmation Notice Authorization forwarded by Schwab. If this Confirmation Notice Authorization is not signed, Executing Brokers or their delegates will send Confirmations directly to account holder(s) or to Schwab. However, regardless of where Confirmations are sent, no differential fees will be charged. In addition, choosing to direct receipt of Confirmations is not a condition of the prime broker relationship or the execution of trades through the Executing Brokers.

X _____ **Signature: Account Holder** _____ **Today's Date (mm/dd/yyyy)**

Print Name

1a First name and middle initial	Last name	1b Social security number
Address		
City or town, state, and ZIP code		

Your withholding rate is determined by the type of payment you will receive.

- For nonperiodic payments, the default withholding rate is 10%. You can choose to have a different rate by entering a rate between 0% and 100% on line 2. Generally, you can't choose less than 10% for payments to be delivered outside the United States and its territories.
- For an eligible rollover distribution, the default withholding rate is 20%. You can choose a rate greater than 20% by entering the rate on line 2. You may not choose a rate less than 20%.

See page 2 for more information.

2 Complete this line if you would like a rate of withholding that is different from the default withholding rate. See the instructions on page 2 and the Marginal Rate Tables below for additional information. Enter the rate as a whole number (no decimals)	2	%
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Sign Here

Your signature (This form is not valid unless you sign it.)	Date
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General Instructions

Section references are to the Internal Revenue Code.

Future developments. For the latest information about any future developments related to Form W-4R, such as legislation enacted after it was published, go to www.irs.gov/FormW4R.

Purpose of form. Complete Form W-4R to have payers withhold the correct amount of federal income tax from your nonperiodic payment or eligible rollover distribution from an employer retirement plan, annuity (including a commercial annuity), or individual retirement arrangement (IRA). See page 2 for the rules and options that are available for each type of payment. Don't use Form W-4R for periodic payments (payments made in installments at regular

intervals over a period of more than 1 year) from these plans or arrangements. Instead, use Form W-4P, Withholding Certificate for Periodic Pension or Annuity Payments. For more information on withholding, see Pub. 505, Tax Withholding and Estimated Tax.

Caution: If you have too little tax withheld, you will generally owe tax when you file your tax return and may owe a penalty unless you make timely payments of estimated tax. If too much tax is withheld, you will generally be due a refund when you file your tax return. Your withholding choice (or an election not to have withholding on a nonperiodic payment) will generally apply to any future payment from the same plan or IRA. Submit a new Form W-4R if you want to change your election.

2023 Marginal Rate Tables

You may use these tables to help you select the appropriate withholding rate for this payment or distribution. Add your income from all sources and use the column that matches your filing status to find the corresponding rate of withholding. See page 2 for more information on how to use this table.

Single or Married filing separately		Married filing jointly or Qualifying surviving spouse		Head of household	
<i>Total income over—</i>	Tax rate for every dollar more	<i>Total income over—</i>	Tax rate for every dollar more	<i>Total income over—</i>	Tax rate for every dollar more
\$0	0%	\$0	0%	\$0	0%
13,850	10%	27,700	10%	20,800	10%
24,850	12%	49,700	12%	36,500	12%
58,575	22%	117,150	22%	80,650	22%
109,225	24%	218,450	24%	116,150	24%
195,950	32%	391,900	32%	202,900	32%
245,100	35%	490,200	35%	252,050	35%
591,975*	37%	721,450	37%	598,900	37%

* If married filing separately, use \$360,725 instead for this 37% rate.



General Instructions (continued)

Nonperiodic payments—10% withholding. Your payer must withhold at a default 10% rate from the taxable amount of nonperiodic payments **unless** you enter a different rate on line 2. Distributions from an IRA that are payable on demand are treated as nonperiodic payments. Note that the default rate of withholding may not be appropriate for your tax situation. You may choose to have no federal income tax withheld by entering “-0-” on line 2. See the specific instructions below for more information. Generally, you are not permitted to elect to have federal income tax withheld at a rate of less than 10% (including “-0-”) on any payments to be delivered outside the United States and its territories.

Note: If you don't give Form W-4R to your payer, you don't provide an SSN, or the IRS notifies the payer that you gave an incorrect SSN, then the payer must withhold 10% of the payment for federal income tax and can't honor requests to have a lower (or no) amount withheld. Generally, for payments that began before 2023, your current withholding election (or your default rate) remains in effect unless you submit a Form W-4R.

Eligible rollover distributions—20% withholding. Distributions you receive from qualified retirement plans (for example, 401(k) plans and section 457(b) plans maintained by a governmental employer) or tax-sheltered annuities that are eligible to be rolled over to an IRA or qualified plan are subject to a 20% default rate of withholding on the taxable amount of the distribution. You can't choose withholding at a rate of less than 20% (including “-0-”). Note that the default rate of withholding may be too low for your tax situation. You may choose to enter a rate higher than 20% on line 2. Don't give Form W-4R to your payer unless you want more than 20% withheld.

Note that the following payments are **not** eligible rollover distributions: (a) qualifying “hardship” distributions, and (b) distributions required by federal law, such as required minimum distributions. See Pub. 505 for details. See also *Nonperiodic payments—10% withholding* above.

Payments to nonresident aliens and foreign estates. Do not use Form W-4R. See Pub. 515, Withholding of Tax on Nonresident Aliens and Foreign Entities, and Pub. 519, U.S. Tax Guide for Aliens, for more information.

Tax relief for victims of terrorist attacks. If your disability payments for injuries incurred as a direct result of a terrorist attack are not taxable, enter “-0-” on line 2. See Pub. 3920, Tax Relief for Victims of Terrorist Attacks, for more details.

Specific Instructions

Line 1b

For an estate, enter the estate's employer identification number (EIN) in the area reserved for “Social security number.”

Line 2

More withholding. If you want more than the default rate withheld from your payment, you may enter a higher rate on line 2.

Less withholding (nonperiodic payments only). If permitted, you may enter a lower rate on line 2 (including “-0-”) if you want less than the 10% default rate withheld from your payment. If you have already paid, or plan to pay, your tax on this payment through other withholding or estimated tax payments, you may want to enter “-0-”.

Suggestion for determining withholding. Consider using the Marginal Rate Tables on page 1 to help you select the appropriate withholding rate for this payment or distribution. The tables are most accurate if the appropriate amount of tax on all other sources of income, deductions, and credits has been paid through other withholding or estimated tax payments. If the appropriate amount of tax on those sources of income has not been paid through other withholding or estimated tax payments, you can pay that tax through withholding on this payment by entering a rate that is greater than the rate in the Marginal Rate Tables.

The marginal tax rate is the rate of tax on each additional dollar of income you receive above a particular amount of income. You can use the table for your filing status as a guide to find a rate of withholding for amounts above the total income level in the table.

To determine the appropriate rate of withholding from the table, do the following. Step 1: Find the rate that corresponds with your total income not including the payment. Step 2: Add your total income and the taxable amount of the payment and find the corresponding rate.

If these two rates are the same, enter that rate on line 2. (See *Example 1* below.)

If the two rates differ, multiply (a) the amount in the lower rate bracket by the rate for that bracket, and (b) the amount in the higher rate bracket by the rate for that bracket. Add these two numbers; this is the expected tax for this payment. To get the rate to have withheld, divide this amount by the taxable amount of the payment. Round up to the next whole number and enter that rate on line 2. (See *Example 2* below.)

If you prefer a simpler approach (but one that may lead to overwithholding), find the rate that corresponds to your total income including the payment and enter that rate on line 2.

Examples. Assume the following facts for *Examples 1* and *2*. Your filing status is single. You expect the taxable amount of your payment to be \$20,000. Appropriate amounts have been withheld for all other sources of income and any deductions or credits.

Example 1. You expect your total income to be \$60,000 without the payment. Step 1: Because your total income without the payment, \$60,000, is greater than \$58,575 but less than \$109,225, the corresponding rate is 22%. Step 2: Because your total income with the payment, \$80,000, is greater than \$58,575 but less than \$109,225, the corresponding rate is 22%. Because these two rates are the same, enter “22” on line 2.

Example 2. You expect your total income to be \$42,500 without the payment. Step 1: Because your total income without the payment, \$42,500, is greater than \$24,850 but less than \$58,575, the corresponding rate is 12%. Step 2: Because your total income with the payment, \$62,500, is greater than \$58,575 but less than \$109,225, the corresponding rate is 22%. The two rates differ. \$16,075 of the \$20,000 payment is in the lower bracket (\$58,575 less your total income of \$42,500 without the payment), and \$3,925 is in the higher bracket (\$20,000 less the \$16,075 that is in the lower bracket). Multiply \$16,075 by 12% to get \$1,929. Multiply \$3,925 by 22% to get \$863.50. The sum of these two amounts is \$2,792.50. This is the estimated tax on your payment. This amount corresponds to 14% of the \$20,000 payment (\$2,792.50 divided by \$20,000). Enter “14” on line 2.



Privacy Act and Paperwork Reduction Act Notice. We ask for the information on this form to carry out the Internal Revenue laws of the United States. You are required to provide this information only if you want to (a) request additional federal income tax withholding from your nonperiodic payment(s) or eligible rollover distribution(s); (b) choose not to have federal income tax withheld from your nonperiodic payment(s), when permitted; or (c) change a previous Form W-4R (or a previous Form W-4P that you completed with respect to your nonperiodic payments or eligible rollover distributions). To do any of the aforementioned, you are required by sections 3405(e) and 6109 and their regulations to provide the information requested on this form. Failure to provide this information may result in inaccurate withholding on your payment(s). Failure to provide a properly completed form will result in your payment(s) being subject to the default rate; providing fraudulent information may subject you to penalties.

Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation, and to cities, states, the District of Columbia, and U.S.

commonwealths and territories for use in administering their tax laws. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You are not required to provide the information requested on a form that is subject to the Paperwork Reduction Act unless the form displays a valid OMB control number. Books or records relating to a form or its instructions must be retained as long as their contents may become material in the administration of any Internal Revenue law. Generally, tax returns and return information are confidential, as required by section 6103.

The average time and expenses required to complete and file this form will vary depending on individual circumstances. For estimated averages, see the instructions for your income tax return.

If you have suggestions for making this form simpler, we would be happy to hear from you. See the instructions for your income tax return.



State Income Tax Withholding Information for Individual Retirement Accounts

This general information is provided to help you understand state income tax withholding requirements for Individual Retirement Account distributions. While Schwab makes every effort to obtain information about state tax laws from reliable sources, Schwab cannot guarantee the accuracy or timeliness of state tax withholding information because state tax laws are subject to constant change and interpretation. Please make sure to properly estimate your withholding rate based on your tax status. You will be responsible for any under-withholding when you file your tax return. We recommend that you contact your tax advisor regarding your tax withholding elections or making estimated tax payments, and to answer any questions that you may have regarding your state's withholding laws.

If your state of residency is:	Your withholding options are:
IA, KS, MA, ME, NE, VT	If you have federal income tax withheld, Schwab is required to withhold state income tax. If you do not have federal income tax withheld, you may optionally elect to have state income tax withheld. You may provide a percentage amount equal to or greater than your state's withholding requirements; otherwise Schwab will automatically apply your state's applicable withholding requirements.
AR, CA, CT¹, DE, MI², MN³, NC, OK, OR	If you have federal income tax withheld, Schwab is required to withhold state income tax unless you specifically elect not to have state income tax withheld. You may provide a percentage amount equal to or greater than your state's withholding requirements; otherwise Schwab will automatically apply your state's applicable withholding requirements.
AL, CO, DC¹, GA, ID, IL, IN, KY, LA, MD, MO, MS⁴, MT, ND, NJ, NM, NY, OH, PA, RI, SC, UT, VA, WI, WV	State income tax withholding is voluntary regardless of whether or not you have federal income tax withheld. Schwab will withhold state income tax only if you instruct us to do so.
AK, AZ, FL, HI, NH, NV, SD, TN, TX, WA, WY	State income tax withholding is not available. Schwab will not withhold state income tax even if you elect to withhold state income tax.

If your state of residency is:	Your tax rate is:
AR, VT	3%
CA	1%
CT¹	6.99%
DC¹	10.75%
DE, IA, KS, MA, ME, MS⁴, NE	5%
MI²	4.25%
MN³	6.25%
NC	4%
OK	4.75%
OR	8%
AL, CO, GA, ID, IL, IN, KY, LA, MD, MO, MT, ND, NJ, NM, NY, OH, PA, RI, SC, UT, VA, WI, WV	There is no mandatory tax rate since these states are voluntary withholding states.
AK, AZ, FL, HI, NH, NV, SD, TN, TX, WA, WY	State income tax withholding is not available.

Schwab may be required to withhold state tax from your distribution based upon state tax law for your state of residency. Your state of residency is determined by the legal address of record on your account. In some cases, you may elect not to have withholding apply, or you may elect to increase the rate of withholding. In other cases, state tax withholding is not available. Please refer to the chart above.

¹ State income tax withholding is required on lump sum distributions, and opting out of state withholding is not allowed.

² You must submit the MI W-4P to Schwab if you wish to opt out of Michigan state income tax withholding. You can obtain a copy of the MI W-4P by visiting Schwab.com or Michigan.gov/taxes.

³ You must submit the W-4MNP to Schwab if you wish to opt out of the Minnesota state income tax withholding. You can obtain a copy of the W-4MNP by visiting www.revenue.state.mn.us/

⁴ MS income tax state withholding is required on early and excess distributions.



Client Copy - These terms relate to your Account and are part of the Account Agreement between each Account Holder and Schwab. Please retain for your files.

This Agreement is effective only upon Schwab's acceptance and approval of this Application.

I, as a client of the Investment Advisor ("IA") and Turnkey Asset Management Provider ("TAMP") named in this Application, either of which I understand may be referred to as "Investment Manager" or "IM" in other documentation relating to my Account, request that Charles Schwab & Co., Inc. ("Schwab") open one or more individual retirement account ("IRA") brokerage accounts in my name (each an "Account"). I agree to read and be bound by the terms of the Schwab IRA and ESA Account Agreement. The Schwab IRA and ESA Account Agreement, together with this Application and, if applicable, the Asset-Based Pricing Addendum to this Application, each as amended from time to time, are collectively the "Account Agreement." The Account Agreement includes information on the Cash Account, Schwab Sweep Money Funds, the Disclosure Statement, the Plan governing the IRA established pursuant to this Application ("Plan"), and, if applicable, the Schwab StockBuilder Plan®. I also agree to read and be bound by any other written agreements between Schwab and me, as currently in effect and as amended from time to time, that apply to my Accounts. If I add features to any of my Accounts governed by the foregoing agreements (for example, option features), I agree to be bound by their terms and conditions. I understand that I have the right to cancel my IRA (the Account covered by this Application) within seven days from the date I receive the Schwab IRA and ESA Account Agreement. I understand that Schwab will send me the Account Agreement upon receipt of this Application, and that I will be treated as having received the Account Agreement three days after it is mailed to me. If I do not receive or understand the Account Agreement, I will notify Schwab.

I consent to Schwab: (i) sending, by mail, electronic delivery and/or other means, duplicate copies of account trade confirmations, account statements and any other information relating to me and my accounts to my IA and TAMP; if and in such manner as requested by my IA and TAMP; (ii) sending such information about me and my accounts to third parties as my IA or TAMP shall direct Schwab; and (iii) disclosing information about me and my accounts to other third parties as provided in Schwab's privacy policy, this Account Application and the Account Agreement.

Role of Schwab.

I acknowledge and agree to each of the following:

- Schwab is acting solely as a broker-dealer and custodian, and not as an investment advisor, with respect to my Accounts. Schwab will only carry out transactions as directed by my IA, my TAMP or me, as the case may be. Schwab's fees for its brokerage and related services are separate from the advisory fees charged by my IA and TAMP. Schwab will send me confirmations of trades executed through Schwab and statements of all activity in my Accounts. Schwab does not provide tax or legal advice.
- With the exception of Charles Schwab Investment Management, Inc. ("CSIM"), my IA and TAMP are not affiliated with or controlled or employed by Schwab.
- Schwab does not mandate the amount of any IA's or TAMP's fee for management of any Account maintained at Schwab.
- If my IA is a member of the Schwab Advisor Network® ("Network"), I acknowledge, understand and agree that:
 - (1) Network member advisors pay Schwab fees to be members;
 - (2) Network member advisors are independent and not employees or agents of Schwab;
 - (3) Schwab prescreens Network member advisors and checks their experience and credentials against criteria Schwab sets;
 - (4) IA's membership in Schwab Advisor Network does not change that (A) I am solely responsible for (i) the decision to hire IA, (ii) what authority to give IA and (iii) evaluating IA's services and performance; and (B) Schwab (i) does not supervise IA and (ii) takes no responsibility to monitor IA's performance or transactions in my Account(s).

Windhaven® and ThomasPartners® Strategies in Affiliated Funds.

Windhaven and ThomasPartners are managed by CSIM and their strategies may invest in shares of pooled investment vehicles, including exchange-traded funds or other securities that are distributed, marketed, underwritten and/or managed by Schwab or certain of its affiliated companies ("Affiliated Funds"), including Affiliated Funds managed by CSIM. I understand that if Windhaven and/or

ThomasPartners Strategies invests in Affiliated Funds, it will result in a conflict of interest because Schwab or its affiliates would earn management fees or other forms of additional compensation. These potential conflicts of interest are set forth more fully in the Disclosure Brochures for the Windhaven and ThomasPartners Strategies.

Products and Services Provided to IA or TAMP.

Schwab may provide my IA or TAMP, at no fee or at a discounted fee, with research, software and other technology, information and consulting services and other products and services that benefit my IA or TAMP. Schwab's provision of these products and services to my IA or TAMP may be based upon clients of my IA or TAMP, placing a certain amount of assets in their brokerage accounts at Schwab (i.e., custodial assets at Schwab) within a certain period of time. My IA or TAMP may be influenced by this commitment in recommending or requiring that its clients establish brokerage accounts at Schwab. These products and services may not necessarily benefit my Account.

Pricing.

Schwab and my IA or TAMP may agree to pricing (including commissions and transaction account and service fees) for my Account and my IA's or TAMP's other clients' accounts at Schwab based upon the nature and scope of business that my IA or TAMP transacts with Schwab, including the current and future expected amount of my IA's or TAMP's clients' assets custodied at Schwab, the types of securities managed by my IA or TAMP and/or expected frequency of my IA's or TAMP's trading. Schwab may change this pricing if the nature and scope of business that my IA or TAMP transacts with Schwab changes or does not reach agreed-upon levels, in which case pricing for my IA's or TAMP's clients' accounts, including my Account, may increase to an amount determined by Schwab not to exceed Schwab's standard pricing as published in the then-current applicable *Charles Schwab Pricing Guide*.

Schwab's Privacy Policy and Disclosure of Information.

I understand that Schwab respects my privacy. Schwab will use the information I provide to open and service my Accounts, to communicate with me when necessary, to provide me with information about additional products and services, and to provide my IA and TAMP, and



certain third parties as my IA and TAMP direct Schwab, with information as provided in this Account Application. Pursuant to the Account Agreement and Schwab's privacy policy, Schwab may disclose information about me and my Accounts to certain other third parties, including, without limitation, third parties providing trade order, portfolio management, billing or performance-reporting systems. I may call Schwab at 1-800-515-2157 for a copy of Schwab's privacy policy.

Disclosure of Account and Other Information.

I authorize Schwab to obtain from my IA and TAMP, and for my IA and TAMP to provide to Schwab, information regarding my Accounts as Schwab may reasonably request. I further authorize Schwab to send duplicate copies of my trade confirmations, account statements and any other information to other parties as I, my IA or my TAMP shall direct Schwab.

Account Information and Opening.

Each of my Accounts will have the same registration and Account Holder information as indicated in this Application. Subject to the addition of margin and other features to my Additional Account, each of my Accounts opened pursuant to this Application will be a Schwab One® Account without Visa® Platinum debit card or checkwriting features.

Trading Authorization.

If I have indicated on this Application that my IA or TAMP will have trading authority to direct Schwab to execute trades in any of my Accounts, I authorize Schwab to accept instructions from my IA or TAMP, as applicable, regarding those Accounts and to take all other actions necessary or incidental to the execution of such instructions, as my IA or TAMP, as applicable, shall direct. I, my IA or my TAMP will give Schwab instructions for any margin trading or short sales in only the single Account (if any) for which I have, subject to Schwab's approval, added such margin and short sales features. If an Account has a margin feature, Schwab is authorized to accept instructions from my IA and/or my TAMP, as authorized, to trade on margin, to sell short, to borrow securities, to otherwise cause credit to be extended through that Account, and to secure the performance of obligations in that Account with any assets held in the Account (the "Account Assets"). If an Account is authorized for option trading, Schwab is authorized to accept instructions from my IA and/or my TAMP, as authorized, to purchase and sell (write) index participation contracts and covered and uncovered option contracts on securities and securities-related indexes, up to my approved level of options trading strategy.

Schwab, and other people or entities Schwab has given instructions to in order to implement my IA's or my TAMP's instructions, may rely on my IA's or my TAMP's instructions without

obtaining my approval, counter-signature or co-signature. My IA's and my TAMP's authority, as applicable, will include, without limitation, the authority to give instructions for transactions in securities and financial instruments, including the buying and selling of stocks, bonds, debentures, notes, subscription warrants, stock purchase warrants, options (provided I have authorized trading options and the applicable Account has been approved by Schwab for such trading), mutual fund shares, evidences of indebtedness and any other securities, instruments or contracts relating to securities. I agree not to trade in my Account when it is being managed by a TAMP.

I authorize Schwab to take any actions it deems reasonably necessary to carry out instructions Schwab receives from my IA, my TAMP and/or me, including, but not limited to, disbursing assets for the settlement of trades. I further authorize Schwab, acting upon my IA's or TAMP's instructions, to: (1) aggregate transaction orders for my Accounts with orders for one or more other accounts over which my IA or TAMP, whichever has given the instruction, has trading authority; and (2) accept or deliver assets in transactions executed by other broker-dealers, where my IA or TAMP has so aggregated orders. I agree that if any such aggregated order is executed in more than one transaction, my portion of such order may be deemed to have been executed at the weighted average of the prices at which all of such transactions were executed. The authorities I grant to my IA or TAMP above will also apply to any agent authorized by my IA or TAMP to act on its behalf in implementing trades for my Accounts.

Disbursement Authorization.

If I have indicated on this Application that my IA or TAMP will have trading and disbursement authority over my Account, I have authorized my IA or TAMP to take the following actions, and I instruct Schwab to permit my IA or TAMP to (1) place trades in my account as provided under the Trading Authorization heading in this Account Application Agreement; (2) remit checks to me at my address of record; and (3) journal cash and/or securities to a Schwab brokerage account on which I am named account holder (known as a first-party transfer). This disbursement authorization does not apply to wire disbursements; Schwab MoneyLink® distributions; or direct, ongoing electronic payments of dividends, interest, and money market income, which use separate forms. Note: (1) You acknowledge that any disbursement made to you personally may constitute a taxable distribution. (2) Certain transfers between IRAs may be permitted. Please contact your IA.

Fee Payment Authorization.

I authorize Schwab to pay investment advisory and related fees from my Accounts to my IA and my TAMP in the amount of my IA's and my TAMP's respective instructions. I acknowledge that my IA and TAMP may aggregate their fees and instruct Schwab to deduct the aggregated amounts from my Accounts. I have authorized my IA and TAMP, in writing, to receive fee payments directly from my Accounts. Schwab may rely on the instructions submitted by my IA or my TAMP, and will have no responsibility to confirm those instructions with me or verify the fees. Schwab may redeem money market fund shares in my Accounts to the extent necessary to pay such fees. My IA's and TAMP's fees (which may be aggregated) will appear on Schwab's statements of my Accounts.

Termination of Authorizations.

Each of the authorizations I have granted in this Application will remain effective until I have revoked or terminated any such authorizations, or the authorized entity or person (including, but not limited to, my IA or TAMP) resigns as my authorized agent. I understand that I may revoke or terminate all authorizations or designations conferred herein at any time upon two business days' notice by completing and submitting the ACT Form by mail, facsimile or messenger, and I agree to notify my IA and TAMP prior to or at the time of any revocation or termination of their respective authorizations. Such revocation or termination will not affect my obligations resulting from transactions initiated prior to the effective time of the revocation or termination, which will happen when Schwab processes my notice of revocation or termination (generally within two business days). My IA will be responsible for managing my Account. If I also terminate my authorizations granted to my IA, or if Schwab or my IA terminates the service agreement between them, my Account will become a regular Schwab brokerage account subject to the terms of the applicable *Charles Schwab Pricing Guide*; I will then be solely responsible for managing my Account.

I further understand that if the service agreement between my TAMP and Schwab terminates, the TAMP's authority over my Account will terminate, and Schwab will not be obligated to honor any further instructions from my TAMP. Schwab will notify me as soon as reasonably possible after any such termination.

Brokerage Commissions, Other Fees and Charges.

I acknowledge and agree that for each of my Accounts I will incur brokerage commissions and other fees and charges in accordance with the terms agreed to by my IA or TAMP and Schwab, or asset-based fees as described in the "Asset-Based Pricing Addendum" to this



Application. Regardless of whether my Accounts are charged brokerage commissions or asset-based fees, I may also incur other fees and charges for additional services Schwab may render for my Accounts, such as Prime Brokerage and Trade-Away Services, as described in this Account Application Agreement.

Suitability.

From time to time, Schwab may make available investment research and information ("Schwab research"). I agree and acknowledge that my IA, my TAMP and I are responsible for the transactions in my Accounts, including assessing the suitability of transactions for my Accounts, even if Schwab research was used in making investment decisions for my Accounts.

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.

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.

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.**

Indemnification.

I agree to indemnify and hold harmless Schwab, its affiliates and their directors, officers, employees and agents from and against all claims, actions, costs and liabilities, including attorneys' fees ("Claims"), arising out of or relating to: (1) their reliance on this Application; and (2) Schwab's execution of my IA's or my TAMP's instructions.

Verification.

I authorize Schwab to inquire from any source, including a consumer reporting agency, as to my identity (as required by federal law), creditworthiness and ongoing eligibility for the Account(s) (and that of my spouse, if I live in a community-property state) at the time of opening the Account(s), at any time throughout the life of the Account(s), and thereafter for debt collection or investigative purposes.

Successors and Heirs.

The Account Agreement supplements and in no way limits or restricts rights which Schwab may have under any other agreement with me. Additionally, the Account Agreement will bind my heirs, executors, administrators, successors and assigns, and will benefit Schwab's successors and assigns (subject to applicable law). Authorizations granted herein to my IA and TAMP shall continue to apply to my IA's and TAMP's successors or assigns (subject to applicable law).

Assignment.

This Account Agreement may not be assigned (as that term is used in the Investment Advisers Act of 1940, as amended, and the regulations thereunder) by Schwab, my TAMP or my IA without my consent, or by me without Schwab's prior written consent.

Prime Brokerage and Trade-Away Services.

I understand that Schwab's Prime Brokerage Services ("PBS") and Trade-Away Services ("TAS") each allow my IA or TAMP (if I have given my IA or TAMP trading authority over my Account) to place orders for the execution (in the case of PBS) or execution and clearance (in the case of TAS) of trades at broker-dealers other than Schwab ("Other Brokers"). The term "Investment Advisor" as used in this Prime Brokerage and Trade-Away Services subsection of, and the Prime Brokerage Confirmation Notice Authorization included in, this Account Agreement refers to my IA or TAMP (if I have given my IA or TAMP trading authority over my Account). I agree to the following terms and conditions governing Schwab's Prime Brokerage and Trade-Away Services.

Execution, Suitability and Cost Considerations.

I acknowledge and agree that:

- My Investment Advisor and I have sole responsibility for selecting all Other Brokers, and I am not relying on Schwab in my or my Investment Advisor's choice of any Other Broker.
- Schwab has made no representations or warranties to me, either written or oral, regarding the financial condition or ability of any Other Broker to effect any transaction ordered or otherwise entered with any Other Broker.
- My Investment Advisor and I have sole responsibility for determining whether the use of PBS or TAS is suitable for me, and Schwab has no responsibility to, and will not, monitor future trading activity in any Account to determine that PBS or TAS is, or remains, suitable for me. Among other things, suitability of PBS or TAS for me will depend upon the trading activity and investment plans of my Investment Advisor and me and my financial situation.
- The execution (and clearance in the case of TAS) of transactions ordered by my Investment Advisor through Other Brokers may give rise to commissions and execution costs not otherwise incurred if such transactions were executed directly through Schwab, including any fees that may be imposed by Schwab for PBS or TAS (see "Costs and Fees," below).

- Other Brokers may refuse to accept or execute PBS or TAS transactions on the behalf of my Investment Advisor and its clients, including me, or refuse to clear or settle such transactions.

Costs and Fees.

I agree that my Account may be charged a Prime Broker Service Fee or Trade-Away Service Fee (in an amount equal to Schwab's then-prevailing rate or the rate to which my IA and Schwab have agreed) per order entered at an Other Broker by my Investment Advisor on my behalf, attributable in whole or in part to the applicable Account, or such other fees or requirements as Schwab may, from time to time and in its sole discretion, set generally for PBS or TAS. In addition to the Prime Broker Service Fee or Trade-Away Service Fee and any other fees of Schwab, I acknowledge and agree that Other Brokers may charge commissions and other fees for execution and clearance or any other service furnished by them to me or my Investment Advisor. Schwab shall be entitled to debit cash or securities from my applicable Account on the settlement date of any such order entered by my Investment Advisor or me with an Other Broker regardless of whether delivery or receipt has occurred between Schwab and such Other Broker. In the event an Other Broker is unable to, refuses to or otherwise does not settle any transaction entered with an Other Broker, Schwab shall be entitled to take appropriate steps to complete, cancel or liquidate any transaction, including purchasing or borrowing securities necessary to make any delivery.

Prime Brokerage Services.

Compliance.

All PBS transactions shall be subject to all applicable laws and the rules and regulations of all federal, state and self-regulatory agencies, including, but not limited to, the Securities and Exchange Commission ("SEC"), all relevant securities and commodity exchanges, the Municipal Securities Rulemaking Board, FINRA, the Board of Governors of the Federal Reserve System, and the constitution, rules and customs of the exchange or market (and its clearing house, if any) where executed. In addition, I intend that all PBS transactions shall be performed in a manner not inconsistent with the SEC No-Action Letter dated January 25, 1994, relating to prime brokerage services, which was issued by the Division of Market Regulation, as it may be amended from time to time (the "SEC Letter").

Accounts with Executing Brokers.

With respect to PBS, Other Brokers are referred to as "Executing Brokers," which may consist of executing self-clearing firms, introducing firms and clearing firms of introducing firms acting as Executing Brokers. To facilitate the execution of trades by Executing Brokers on my behalf, I



authorize the designated Investment Advisors for my Account, and their successors and assigns, to open accounts with applicable Executing Brokers (either at self-clearing firms or at clearing firms of introducing firms, as the case may be) in cooperation with Schwab. These accounts at Executing Brokers shall be titled in the name of Schwab and designated for the benefit of the advisory clients of the Investment Advisor (the "accounts with Executing Brokers").

Minimum Net Equity.

I understand and agree that I am required to maintain in my Account such minimum net equity in cash or securities as may be required, from time to time, by Schwab (the "Minimum Net Equity"), which shall in no event be less than the minimum net equity required by the SEC Letter. I also understand and agree that in the event my Account falls below such Minimum Net Equity, I must bring my Account into compliance in a timely fashion that in no event will be later than the deadline required by the SEC Letter. In the event my Account falls below the minimum net equity requirements of the SEC Letter, I understand and agree that Schwab will no longer be able to accept PBS trades on my behalf and I must notify all applicable Executing Brokers of such fact.

Authorization.

I authorize each Investment Advisor to be my agent and attorney-in-fact, and in such capacity to give instructions to Schwab or any Executing Broker in connection with the accounts with Executing Brokers in addition to my Account, and to take all other actions necessary or incidental to the execution of such instructions. Schwab and other persons, including any Executing Broker to whom Schwab has given instructions in order to implement the Investment Advisor's instructions, may rely on the Investment Advisor's instructions without obtaining my approval, counter-signature or co-signature. Schwab's authority will include, for purchases, sales and, where necessary to complete any transaction, the authority to transfer, convert, endorse, sell, assign, set over and deliver assets held in any accounts with Executing Brokers or my Account.

Applicable Executing Brokers will send directly to me or my Investment Advisor a confirmation of each trade executed by it on my behalf, in whole or in part, pursuant to this prime broker arrangement. Otherwise, if I have executed Schwab's Confirmation Notice Authorization included in this Application, Executing Broker will send the confirmation to the Investment Advisor in care of Schwab as the prime broker and Schwab will send to me a notification of the action setting forth trade details. I understand that the Confirmation Notice Authorization is not a condition for entering into this prime

broker arrangement or executing trades with any Executing Broker. A copy of any confirmation sent by an Executing Broker to Schwab is available upon written request to Schwab. I also understand that monitoring account activity is my responsibility. Schwab provides account statements and notification to me to facilitate this process, but has no duty to supervise or monitor my Account or the actions of the Investment Advisor.

I further authorize Schwab and any Executing Broker, acting upon the Investment Advisor's instructions, to aggregate transaction orders for my Account with an Executing Broker with orders for one or more accounts over which the Investment Advisor has investment discretion, or to accept or deliver assets in transactions executed by other broker-dealers where the Investment Advisor has so aggregated orders. The Executing Broker will confirm on an aggregate basis any aggregate transaction effected upon the Investment Advisor's instruction. I agree that if such aggregated order is executed in more than one transaction, my portion of such order may be deemed to have been executed at the weighted average of the prices at which all of such transactions were executed.

Trading.

I understand and agree that no transactions or trades may be effected on my behalf through an Executing Broker unless Schwab and the applicable Executing Broker have entered into a Prime Brokerage Agreement and I have been accepted for prime brokerage services as provided therein. Such acceptance for prime brokerage services shall not obligate Schwab to clear and settle any transaction initiated by me or my Investment Advisor with an Executing Broker except as provided in the Prime Brokerage Agreement between Schwab and the applicable Executing Broker. As part of the Prime Brokerage Agreement between Schwab and the applicable Executing Broker, I authorize Schwab to furnish the applicable Executing Broker any information required by the Prime Brokerage Agreement. Schwab shall be entitled to furnish information with respect to my Account upon the request of Executing Brokers. I understand and agree that Schwab has no obligation to clear or settle any transaction that has not been executed or confirmed to Schwab through DTC's ID System or other registered clearing agency by the Executing Broker. In addition, Schwab is entitled to DK (or not affirm) or disaffirm trades as provided in the SEC Letter or Schwab's Prime Brokerage Agreement with such Executing Broker. In the event Schwab refuses or fails to clear or settle any PBS transactions, I shall be responsible and liable to all applicable Executing Brokers for settling such PBS transactions directly with such Executing Brokers in accounts that will be opened at the applicable Executing Brokers in

my name. I acknowledge and agree that neither my Investment Advisor nor I may make short sales, trade on margin, or purchase or sell option contracts (other than the writing of covered calls or the purchasing of covered puts).

Trade-Away Services.

I understand and agree that in connection with TAS transactions, Other Brokers shall be entirely responsible for the execution and clearance of my transactions and Schwab, as custodian of my Account, shall act solely as settlement agent in accordance with the Investment Advisor's written instructions pertaining to the settlement of such transactions, and shall have no other responsibility whatsoever with regard to such transactions. Schwab's duties in this regard shall be further conditioned upon Schwab's having custody of or receiving the subject securities or other property (including cash) in good deliverable form before settlement.

Information About SIPC.

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

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 www.schwab.com/PartialCalls. If you would like a printed description of Schwab's lottery system mailed to you, please contact Schwab Alliance at 1-800-515-2157.



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	<p>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.</p>
Available Cash Feature	<p>The available cash features currently consist of:</p> <ul style="list-style-type: none"> ▪ 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	<p>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.</p>
Duty to Monitor Eligibility for Cash Features	<p>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.</p>
Interest Rates and Yields	<p>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.</p> <ul style="list-style-type: none"> ▪ 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



<p>Interest Rates and Yields (Continued)</p>	<ul style="list-style-type: none"> ▪ 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 objectives. <p>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.</p>
<p>Benefits to Schwab</p>	<p>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.</p>
<p>Differing Risks and Account Protection</p>	<p>The different cash features are subject to different risks and account protection:</p> <ul style="list-style-type: none"> ▪ 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.

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



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 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 Solution 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 or quarter depending on activity in your account. 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; and other information, terms, and conditions governing your accounts.

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