

Important instructions for completing this form

The form you requested follows this page. You can either complete it on your computer and then print it out, or print it out first and fill it in by hand.

Follow these easy steps to complete your form:

1. Scroll down and type the requested information in the corresponding field.

Name (First)
John

- You can move among the fields by using your mouse or the “Tab” key.
- If you’d like to clear all the fields you’ve completed, click the **CLEAR** button.

2. When you’ve completed the form, click the **PRINT** button.

Please note: Adobe® Reader® does not allow you to save your work. It’s very important that you print out your form immediately after completing it.

3. When your form is complete, please review, sign and date it, and either:

Bring it into your nearest Schwab branch (Visit schwab.com/branch to find the one nearest you.)

– or –

If you live in:

AK, AZ, CA, CO, HI, IA, ID, KS, MT,
ND, NE, NM, NV, OK, OR, SD, TX,
UT, WA, WY, Armed Forces America
or Armed Forces Pacific

Mail to:

Standard:

Charles Schwab & Co., Inc.
P.O. Box 52114
Phoenix, AZ 85072-2114

Overnight:

Charles Schwab & Co., Inc.
2423 E. Lincoln Drive
Phoenix, AZ 85016

If you live in:

AL, AR, CT, DC, DE, FL, GA, IL, IN, KY, LA, MA, MD,
ME, MI, MN, MO, MS, NC, NH, NJ, NY, OH, PA, RI,
SC, TN, VA, VI, VT, WI, WV, Armed Forces Europe,
American Samoa, Guam, Marshall Islands,
Northern Mariana Islands or Puerto Rico

Mail to:

Standard:

Charles Schwab & Co., Inc.
P.O. Box 628291
Orlando, FL 32862-8291

Overnight:

Charles Schwab & Co., Inc.
495 N. Keller Road, Suite 150
Maitland, FL 32751

Be sure to enclose any accompanying materials with your form (such as a check for an initial deposit to open a new account). Should you have any questions, or need help, just call **1-800-435-4000**.

Power of Attorney for Charles Schwab Brokerage Accounts and Schwab Bank High Yield Investor Checking™ Accounts

charles SCHWAB

www.schwab.com
1-800-435-4000 (inside the U.S.)
+1-415-667-5009 (outside the U.S.)
1-888-686-6916 (multilingual services)
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Use this form to name an Agent (also referred to as an “Attorney-in-Fact”) to act on your behalf in connection with your Brokerage Account and, if applicable, your linked Schwab Bank High Yield Investor Checking account.

Please note that for these purposes the term Brokerage Account refers to your account with Charles Schwab & Co., Inc. (“Schwab”), a registered broker-dealer. The term High Yield Investor Checking account refers to your High Yield Investor Checking account as applicable with Charles Schwab Bank (“Schwab Bank”), Equal Housing Lender, Member FDIC.

Important Information to Know Before Executing This POA Form:

Regarding POA

1. If there is anything about this POA you do not understand, you should consult an attorney.
2. You have the right to revoke or terminate the POA at any time by providing written notice to Schwab or Schwab Bank.
3. This POA applies only to the account specified in Section 1 and any linked High Yield Investor Checking account, if applicable.
4. POA authority does not apply to Custodial accounts unless you are an Investment Advisor acting in the capacity of a Limited Power of Attorney (LPOA). Investment Advisor means any person who, for compensation, engages in the business of advising others, either directly or through publications or writings.
5. If you have a High Yield Investor Checking Account, you may contact or be contacted by Schwab or Schwab Bank regarding this POA.
6. POA on fiduciary accounts (e.g., estates, guardianships, conservatorships, etc.) may be restricted by state laws or other standards.
7. **This form cannot be used for a Durable Power of Attorney. Consequently, the Agent’s authority will expire upon the subsequent mental disability, incompetence, incapacity or death of the account holder.**
8. **In order to accept a Full Power of Attorney (FPOA) application for a trust account (other than a revocable living trust where the trustor[s], trustee[s] and current beneficiary[ies] are all the same individuals), Schwab requires photocopies of the following pages from the trust document:**
 - a. Title pages containing the name and date of the trust, the trustor(s) and trustee(s)
 - b. Signature page(s)
 - c. Pages setting forth the trustees’ authority to delegate powers and appoint agents

Regarding Agents

1. Each Agent must be a U.S. citizen or U.S. resident alien and must have a U.S. mailing address.
2. This document gives your Agent a broad range of authority over your accounts whether you select an LPOA or an FPOA.
3. You are responsible for providing your Agent with all agreements, disclosures and notices regarding your account(s) and this POA.
4. In order to trade options in your account, the Agent must complete the Schwab Option, Margin and Short Capabilities Application.
5. **Agents who are Investment Advisors will be acting in their capacity as Investment Advisors and may be authorized to act only as LPOAs.**



1. Account Information (Please print.)

We respect your privacy. Schwab and Schwab Bank may use the information you provide to communicate with you and provide information about products and services. Read about the privacy policy of Schwab on www.schwab.com/privacy and of Schwab Bank on www.schwabbank.com/privacy.do. As required by federal law, Schwab and Schwab Bank will use the information below to verify your identity.

Name of Account Holder (or Trust/Organization)
Name of Additional Account Holder (or Trustee/Authorized Person)

This Power of Attorney applies to the following account:

Schwab Account Number [grid]

2. Appoint Your Agent(s) to Act in One of the Following Capacities (Check only one.)

I hereby appoint the individual(s) named in Section 4 to be my agent(s) and attorney(s)-in-fact (each an "Agent") with the authority to exercise the express and incidental rights and powers indicated below with respect to my Brokerage Account and High Yield Investor Checking Account.

[] Limited Power of Attorney ("LPOA")

Authority over Brokerage Account This grants your Agent the authority to trade in your Brokerage Account in the same manner and to the same extent as you are permitted to do, but not to make withdrawals or transfer funds, including via Schwab MoneyLink®. I request that Schwab mail duplicate copies of the following items to the Agent(s) listed below. [] Account Statements [] Trade Confirmations

Authority over a Linked High Yield Investor Checking Account (if applicable) This grants your Agent the authority to view account information, balances and transactions, but not to make withdrawals or transfer funds. Your Agent may also request copies of specific account statements.

[] Full Power of Attorney AND Authorized Check User Power of Attorney (Schwab One® Brokerage Accounts only, excluding Schwab One Brokerage Accounts linked to a High Yield Investor Checking account, LPOAs, Custodial Accounts or Investment Advisors acting in the capacity of an Investment Advisor)

This grants your Agent the authority to trade in your account; to transfer or withdraw money and securities in your account, including into the name of the Agent; and to take any other actions with respect to your account in the same manner and to the same extent as you are permitted to do. This also grants your Agent the unlimited authority to write checks against your Brokerage Account.

[] Full Power of Attorney ("FPOA")

Authority over Brokerage Account This grants your Agent the authority to trade in your account; to transfer or withdraw money and securities in your account, including into the name of the Agent; and generally to take any other actions with respect to your account in the same manner and to the same extent as you are permitted to do. This grant of authority is not available to Investment Advisors acting in the capacity of an Investment Advisor to Custodial Accounts. I request that Schwab mail duplicate copies of the following items to the Agent(s) listed below. [] Account Statements [] Trade Confirmations

Authority over a Linked High Yield Investor Checking Account (if applicable) This grants your Agent the unlimited authority to transfer or withdraw money from your account, including into the name of the Agent; to write checks against your account; to obtain stop payments; and to take any other actions with respect to your account in the same manner and to the same extent as you are permitted to do. Your Agent may also request copies of account statements.

Additional Authority over an IRA, QRP, 403(b)(7) or Keogh Account

[X] Initial here if you wish to authorize your Agent to execute or change a beneficiary designation on your behalf. Even if checked, your Agent may not execute a beneficiary designation in favor of himself or herself.

[] Authorized Check User Power of Attorney (Schwab One Brokerage Accounts only, excluding Schwab One Brokerage Accounts linked to a High Yield Investor Checking account, or LPOAs) This grants your Agent the unlimited authority to write checks against your Brokerage Account.

3. Schwab One Signature Card

If the Agent will be an Authorized Check User, all Account Holders and Agent(s) must sign (for each additional Agent, please complete and sign a separate Power of Attorney form).

Signature(s) and Date(s) Required

Signature grid with columns for Account Holder Signature, Additional Account Holder Signature, Agent Signature, Print Name, and Date.

FOR CHARLES SCHWAB USE ONLY: Branch Office and Account Number, DDA Number, Customer ID Number, Source Code, Approved By, Print Name of Approver, Date

4. Agent Information*

Name (First) _____ (Middle) _____ (Last) _____		
Home/Legal Street Address (no P.O. boxes) _____		City, State, Zip Code _____
Mailing Address (if different from above; P.O. boxes may be used) _____		City, State, Zip Code _____
Home Telephone Number (_____)	Business Telephone Number (_____)	Email Address* (Required to access the account through the web.) _____
Social Security/Tax ID Number _____	Date of Birth (mm/dd/yyyy) _____	Mother's Maiden Name _____
ID Number _____ <input type="checkbox"/> Driver's License <input type="checkbox"/> State <input type="checkbox"/> Passport	Place of Issuance _____	Expiration Date _____
Country(ies) of Citizenship (Must list all.) <input type="checkbox"/> USA <input type="checkbox"/> Other: _____ <input type="checkbox"/> Other: _____		Country of Legal Residence <input type="checkbox"/> USA <input type="checkbox"/> Other: _____

Securities industry regulations require that we collect the following information:

Check only one: <input type="checkbox"/> Employed <input type="checkbox"/> Self-employed <input type="checkbox"/> Retired <input type="checkbox"/> Student <input type="checkbox"/> Homemaker <input type="checkbox"/> Not employed	
Employer _____	Occupation/Position _____
Business Street Address _____ City, State, Zip Code _____	
Are you affiliated with or employed by a stock exchange or member firm of an exchange or FINRA, or a municipal securities broker-dealer? <input type="checkbox"/> No <input type="checkbox"/> Yes (If "yes," you must attach a letter from your employer approving the establishment of your account when submitting this application.)	
Are you a director, 10% shareholder or policy-making officer of a publicly held company? <input type="checkbox"/> No <input type="checkbox"/> Yes (If "yes," enter company name _____ and trading symbol _____.)	
Marital Status <input type="checkbox"/> Single <input type="checkbox"/> Married <input type="checkbox"/> Divorced	Number of Dependents _____
Investment Experience: <input type="checkbox"/> None <input type="checkbox"/> Limited <input type="checkbox"/> Good <input type="checkbox"/> Extensive	
Annual Income: <input type="checkbox"/> Under \$15,000 <input type="checkbox"/> \$15,000-\$24,999 <input type="checkbox"/> \$25,000-\$49,999 <input type="checkbox"/> \$50,000-\$99,999 <input type="checkbox"/> \$100,000 or More	
Liquid Net Worth: <input type="checkbox"/> Under \$25,000 <input type="checkbox"/> \$25,000-\$49,999 <input type="checkbox"/> \$50,000-\$99,999 <input type="checkbox"/> \$100,000-\$249,999 <input type="checkbox"/> \$250,000 or More Specify: _____	

Are you being compensated for providing investment advice on this account or any other account? (required) <input type="checkbox"/> Yes <input type="checkbox"/> No
Are you, or are you employed by, a federal or state registered Investment Advisor? (required) <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please provide the following information:
Firm Name or DBA _____
Investment Advisor Registration Depository (IARD) or State Registration Number _____
Firm Tax Identification Number _____

*If you want to add more than one Agent, please complete a Power of Attorney form for each additional Agent.

†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.

5. Account Holder Signature(s) and Notarization (All Account Holders must sign.)

By signing this Power of Attorney form, I certify that I have read carefully the provisions of this document, including the attached Power of Attorney Authorization and Agreement, and I understand that it authorizes my Agent, herein named, to exercise all rights and powers set forth above with respect to my Brokerage Account and High Yield Investor Checking account, and I understand that anything my Agent may do in the exercise of such rights and powers is fully binding upon me.

I authorize Schwab (and Schwab Bank, if applicable) and other persons to whom Schwab or Schwab Bank has given instructions in order to implement my Agent's instructions, to rely on my Agent's instructions without obtaining my approval, countersignature or co-signature and to take other actions necessary or incidental to the execution of such instructions. If I have named more than one Agent, I agree that each Agent may act independently and without the consent of any other Agent. I understand that this is not a Durable Power of Attorney and that all authority granted to my Agent shall cease automatically upon Schwab (or Schwab Bank, if applicable) receiving written notification from a licensed physician of my mental disability, incompetence, incapacity or death.

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



5. Account Holder Signature(s) and Notarization (Continued)

If this "Power of Attorney" relates to a Trust Account, each Trustee certifies that the Trust instrument authorizes the delegation of authorities as indicated within this "Power of Attorney" form and such delegation is not prohibited by the laws that govern the Trust.

FURTHERMORE, BY SIGNING THIS FORM, I ACKNOWLEDGE THAT THE ATTACHED "POWER OF ATTORNEY AUTHORIZATION AND AGREEMENT" RELATES TO MY ACCOUNTS AND IS PART OF THE (a) ACCOUNT AGREEMENT BETWEEN SCHWAB AND ME FOR MY BROKERAGE ACCOUNT AND (b) ACCOUNT AGREEMENT BETWEEN SCHWAB BANK AND ME FOR MY HIGH YIELD INVESTOR CHECKING ACCOUNT. I ACKNOWLEDGE THAT I HAVE RECEIVED AND READ THE ATTACHED "POWER OF ATTORNEY AUTHORIZATION AND AGREEMENT" AND RETAINED A COPY FOR MY RECORDS AND THAT IT IS MY RESPONSIBILITY TO PROVIDE A COPY TO MY AGENT(S) IF SO DESIRED.

The Power of Attorney Authorization and Agreement includes a predispute arbitration clause. I acknowledge receipt of the predispute arbitration clause contained in Section 4, pages 3 and 4, of the Power of Attorney Authorization and Agreement.

Signature(s) and Date(s) Required

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

State of _____, County of _____ On _____ before me, _____, (mm/dd/yyyy) (Name and Title of the Notarizing Officer) personally appeared _____, (Name of Person[s] Signing Instrument) who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.* I certify under PENALTY OF PERJURY under the laws of the State of _____ that the foregoing paragraph is true and correct. WITNESS my hand and official seal. Notary Public _____ Expiration Date _____ (Signature of Notarizing Officer) (mm/dd/yyyy) *Notaries outside of California may attach the appropriate notarizing declaration in lieu of the above.	(NOTARY SEAL)
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State of _____, County of _____ On _____ before me, _____, (mm/dd/yyyy) (Name and Title of the Notarizing Officer) personally appeared _____, (Name of Person[s] Signing Instrument) who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.* I certify under PENALTY OF PERJURY under the laws of the State of _____ that the foregoing paragraph is true and correct. WITNESS my hand and official seal. Notary Public _____ Expiration Date _____ (Signature of Notarizing Officer) (mm/dd/yyyy) *Notaries outside of California may attach the appropriate notarizing declaration in lieu of the above.	(NOTARY SEAL)
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FOR CHARLES SCHWAB USE ONLY:												
Branch Office and Account Number												

6. Agent Signature(s) (Required)

By signing this Power of Attorney form, I acknowledge that I have received and read the attached Schwab Power of Attorney Authorization and Agreement and retained a copy for my records. I acknowledge that my signature signifies and constitutes my agreement to the terms and conditions set forth in the Schwab Power of Attorney Authorization and Agreement, including the Agent's Terms and Conditions in Section 3 and, if applicable, the Schwab Bank Agent's Terms and Conditions in Section 7 in the attached Power of Attorney Authorization and Agreement.

The Schwab Power of Attorney Authorization and Agreement includes a predispute arbitration clause. I acknowledge receipt of the predispute arbitration clause contained in Section 4, pages 3 and 4, of the Schwab Power of Attorney Authorization and Agreement.

Signature and Date Required

X Agent Signature	Print Name	Date
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Power of Attorney Authorization and Agreement

for Charles Schwab Brokerage Accounts and Schwab Bank High Yield Investor Checking™ Accounts

Sections 1–4 relate to your Brokerage Account and are part of the Account Agreement between each account holder and Schwab. Sections 5–7 relate to your Schwab Bank High Yield Investor Checking account and are part of the Account Agreement between each account holder and Schwab Bank, if applicable. The terms “I,” “me” and “my” refer to each Schwab or Schwab Bank account holder. Please read and retain for your files.

Please note that for the purposes of this Power of Attorney (POA), the term “Brokerage Account” refers to your account with Charles Schwab & Co., Inc. (“Schwab”), a registered broker-dealer; and the term “Schwab Bank High Yield Investor Checking account” (High Yield Investor Checking account) refers to your account with Charles Schwab Bank (“Schwab Bank”), Equal Housing Lender, member FDIC.

Section 1: Account Holder’s Authorization of Agent’s Powers (Read carefully.)

I authorize Schwab to take such actions as Schwab deems necessary to carry out instructions Schwab receives from me and/or Agent. I further authorize Schwab, in its sole discretion and for whatever reason, to request additional documentation from me prior to executing any transaction requested by my Agent. If I have appointed two or more Agents, both Agents will have identical powers as indicated in Section 2 of the Power of Attorney Form, and I hereby authorize them to act alone and without the consent of the other Agent or Agents, with respect to the powers granted. In addition, I hereby authorize Schwab, in its sole discretion, to restrict my Account from further activity in the event the Agents enter conflicting or inconsistent instructions.

I authorize Schwab to mail duplicate copies of account statements and/or trade confirmations to the Agent(s), if I have so indicated by checking the boxes in Section 2. If Agent is associated with a securities firm of the Financial Industry Regulatory Authority (“FINRA”), Schwab is authorized to deliver information concerning my Account, including duplicate confirmations and account statements, to such firm upon written request.

For both FPOA and LPOA, the Agent’s authority will include, without limitation, the authority in the same manner and to the same extent as any Account Holder:

- 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, mutual fund shares, evidences of indebtedness, and any other securities, instruments or contracts relating to securities; and
- (where necessary to complete any transaction) to transfer, convert, endorse, sell, assign, set

over and deliver any assets held in the Account (the “Account Assets”) and to make, execute and deliver any and all written instruments of assignment and transfer; and

- to update certain account information, but not to change the account mailing address.

At its discretion, Schwab may, but is not obligated to, decline to accept certain updated account information from the Agent. The Agent under an LPOA is not authorized to withdraw or direct the disbursement of Account Assets from the Account. If my Account has a Margin and Short Account feature approved by Schwab, Agent is authorized to trade on margin, to sell short, to borrow securities, to otherwise cause credit to be extended through the Account, and to secure the performance of obligations in the Account with Account Assets. If my Account is authorized for options trading, after an options trading application is completed by the Agent and approved by Schwab, Agent is authorized to place options orders. Whenever this Power of Attorney is attached to any instrument of assignment or transfer, all persons shall be entitled, without further inquiry or investigation and regardless of the date of such Power of Attorney, to act in reliance upon the assumption that the Account Assets named in such instrument were duly and properly transferred, endorsed, sold, assigned, set over and delivered, and that with respect to such Account Assets the authority conferred herein is still in full force and effect. And, for FPOA only, the authority in the same manner and to the same extent as any Account Holder:

- to withdraw or direct the disbursement of money or securities held in the Account in or into the name of any person or entity, including the Account Holder, the Agent or upon Agent’s instructions (but not to change or create joint or multiple-party accounts); and

• on my behalf, to enter into further agreements with Schwab regarding my Account, and generally take all actions necessary in connection with the Account, or which are considered desirable by the Agent.

Notwithstanding the aforementioned, if this trading authorization applies to an IRA, QRP, 403(b)(7) or Keogh account (“Retirement Account”) for which Schwab or its affiliate and/or any successor acts as trustee or custodian, this authorization shall allow the Agent to provide trading instructions to Schwab. However, such instructions shall be limited to purchase, exchange and sell orders in any investment permitted by the terms of the Retirement Account and pursuant to Schwab policy, and other incidental transactions subject to the limitations described herein.

And, for FPOA on a Retirement Account only, the authority in the same manner and to the same extent as any Account Holder:

- to direct distributions from the Retirement Account (other than to the Agent) and to make any elections in connection therewith (including, without limitation, elections relating to tax withholding), and
- (if authorized) to execute any beneficiary designation for any Retirement Account held for my benefit at Schwab in favor of any party other than the Agent himself or herself. And, for Authorized Check User only, the Agent’s authority will include, without limitation, the authority in the same manner and to the same extent as any Account Holder to write checks to any person or entity. I agree that until this Power of Attorney is revoked by written notice to Schwab and all checks delivered to the Agent are returned, Schwab may continue to honor all checks written against the Account by the Agent.

Section 2: Account Holder’s Terms and Conditions (Read carefully.)

All orders and transactions will be governed by the terms and conditions of all account agreements as applicable to my Account.

Role of Charles Schwab & Co., Inc. I acknowledge and agree that:

- Schwab will merely effect trades as directed by Agent (LPOA and FPOA only);
- Schwab will not give legal or tax advice;
- Agent and I are responsible for determining the nature, potential value and suitability for me of any particular investment strategy, transaction (including futures transactions) or

security (including equities and options); I will not rely on Schwab for this purpose and, unless (1) required by applicable law, or (2) a Schwab representative gives advice directly to me or Agent that is clearly identified as a Schwab recommendation for me to enter into a particular transaction or to buy or sell a particular security, Schwab has no responsibility for any such determination;

- Schwab is not acting as a fiduciary;
- I (and not Schwab) am responsible for investigating and selecting Agent;

- Agent is not affiliated with or controlled or employed by Schwab, and Schwab has not approved, recommended or endorsed Agent;
- Agent, and not Schwab, is solely responsible for determining if Agent is required to be registered as an investment advisor with a state agency or the Securities and Exchange Commission (SEC). Registration rules vary by state. I agree that it is Agent’s responsibility, and not Schwab’s, to check his/her state’s applicable rules.
- Unless required by applicable law, Schwab has

Section 2: Account Holder's Terms and Conditions (Continued)

no duty to review, supervise or monitor any investment decision, trading activity or transaction by Agent in my Account; and

- Schwab reserves the right, in its sole discretion, to no longer honor instructions for Agent and will notify me if it chooses to do so.

In addition, I have investigated the business experience, qualifications and reputation of my Agent and am satisfied with the experience, qualifications and reputation of my Agent.

I understand that Schwab has not provided any advice to me regarding this Power of Attorney, and if there is anything about this Power of Attorney that I do not understand, I should consult with my attorney for an explanation.

Indemnification. I hereby ratify and confirm any and all transactions, trades or dealings effected in and for my Schwab Account by my Agent, and I agree to indemnify and hold harmless Schwab, its affiliates, and their directors, officers, employees and agents from and against all claims, actions, judgments, settlement amounts, costs and liabilities, including attorneys' fees, arising out of or relating to:

- their reliance on this Power of Attorney;
- Schwab's execution of Agent's instructions; and
- Schwab's execution of disbursement instructions received from Agent (FPOA and Authorized Check User only).

Furthermore, I agree to indemnify and hold Schwab harmless from, and to pay Schwab promptly upon demand for, any and all losses or financial obligations which may arise from the acts or omissions of the Agent with respect to my Account. I also agree that since Schwab will not review, supervise or monitor trading by the Agent in my Account, Schwab will not be liable and I will not attempt to hold Schwab liable for any trade or decision made by the Agent whom I have selected, regardless of whether or not any such trade or decision was specifically authorized by me.

Termination of Authority. This Power of Attorney, authorization and indemnification will remain in effect until Schwab is notified in writing of my death, mental disability, incompetence or incapacity or until I have revoked it by written notification, and such notification is received by Schwab. Such revocation will not affect my obligations resulting from transactions initiated prior to Schwab's receipt of notice of revocation.

Transfer Agent (LPOA and FPOA only). To induce any transfer agent or other third party to act hereunder, I hereby agree that any transfer agent or other third party receiving a duly executed copy or facsimile of this Power of Attorney may act upon it, and that revocation or termination hereof shall be ineffective as to such transfer agent or other third party unless and until actual notice or knowledge of such

revocation or termination shall have been received by such transfer agent or other third party, and I for myself and for my heirs, executors, legal representatives and assigns, hereby agree to indemnify and hold harmless any such transfer agent or third party from and against any and all claims that may arise against such transfer agent or other third party by reason of such transfer agent or third party having relied on this instrument.

Assignment. This Power of Attorney supplements and in no way limits or restricts rights which Schwab may have under existing law or any other agreement with me. This Power of Attorney will bind my heirs, executors, administrators, successors and assigns, and will benefit Schwab's successors, affiliates and assigns.

Governing Law. The laws of the state of California (but not the choice of law doctrines), as applied to agreements signed and performed in California, shall apply and bind the parties in any and all questions arising under this Power of Attorney, including questions of validity, interpretation and performance, except that the arbitration agreement in Section 4 shall be governed by the Federal Arbitration Act.

Arbitration. I agree to the arbitration provisions in Section 4, which also includes required arbitration disclosures.

Section 3: Agent's Terms and Conditions (Read carefully.)

The undersigned Agent and Charles Schwab & Co., Inc. ("Schwab") agree that the authority conferred on the Agent by the Power of Attorney executed by the Account Holder ("Customer") shall be exercised in accordance with the following terms and conditions ("Agreement"):

Authorization to Make Transactions in the Customer's Account. Agent may give instructions and take actions with respect to the Account pursuant to the Power of Attorney. Customer may revoke the Power of Attorney at any time by giving written notice to Schwab. Customer will have concurrent full authority at all times to take actions and place orders for the Account. Agent agrees not to take any actions that exceed the authority under the Power of Attorney or any other agreement between the Agent and the Customer.

Role of Charles Schwab & Co., Inc. Unless required by applicable law, Schwab will not make or review trading or investment decisions or offer legal or tax advice and is not in any way responsible for reviewing, supervising or monitoring any investment decision or trading activity in a Customer's account. Customer and Agent are responsible for determining the nature, potential value and suitability for Customer of any particular investment strategy, transaction (including futures transactions) or security (including equities and options); Agent will not rely on Schwab for this purpose and, unless (1) required by applicable law, or (2) a Schwab representative gives advice directly to Agent that is clearly identified as a Schwab recommendation for Agent to enter into a particular transaction or to buy or sell a particular security, Schwab has no responsibility for any such determination.

Trade Confirmations and Account Statements. Unless the Customer directs otherwise, Schwab

will not automatically send duplicate trade confirmations and account statements to the Agent.

Agent's Relationship to Schwab. If appointed FPOA or LPOA, Agent hereby represents that he/she is familiar with and has reviewed the investment goals, guidelines and objectives of the Customer and will invest in a way that is consistent with the Customer's stated goals and objectives. Such Agent will not represent to Customer that Schwab and Agent are affiliated or have any relationship other than that described in this Agreement; that Schwab endorses or recommends the Agent; that Schwab provides any advice other than that described in this Agreement; that Schwab participates in or reviews Agent's trading decisions; or that Schwab manages, supervises or monitors trading in the Account.

Any Agent agrees to immediately notify Schwab of the Customer's death or any termination or revocation of the Power of Attorney and/or modification of the Power of Attorney; Agent also agrees to notify Schwab of any incapacity, incompetence or mental disability of the Customer that would render the Power of Attorney void.

Compliance with Applicable Law. Agent will comply with all applicable state and federal laws (including the Investment Advisers Act of 1940 and comparable state laws), rules and regulations as they may be amended from time to time, including, without limitation, making such disclosure as may be required by applicable law, rule or regulation.

Agent further agrees that Agent, and not Schwab, is solely responsible for determining if Agent is required to be registered as an investment advisor with a state agency or the Securities and Exchange Commission (SEC).

Registration rules vary by state. Agent agrees to check his/her state's applicable rules.

Compliance with FINRA Rules of Fair Practice. Agent represents and warrants that, unless the Agent has given Schwab written notice to the contrary, Agent is not "associated" with a member of the Financial Industry Regulatory Authority, within the meaning of Article I(Q) of the FINRA bylaws. Agent agrees to give Schwab prompt and written notice if Agent later becomes so associated in accordance with FINRA's Conduct Rule 3050 (formerly Section 28 of the Rules of Fair Practice).

Information. Agent will provide promptly any information reasonably requested by Schwab concerning the management of the Account or compliance with this Agreement. If questions arise concerning compliance with any law, whether federal or state, Agent will take any action believed by Schwab to be necessary to ensure compliance with applicable law. This provision shall not be read to imply that Schwab has any duty to supervise or monitor Agent's management of Customer's accounts or compliance with applicable law. Agent represents and warrants that all information Agent provides to Schwab in this Agreement, or otherwise at any time, is true, accurate and complete. If any information Agent furnishes to Schwab becomes materially inaccurate, false, or otherwise misleading, Agent agrees to notify Schwab promptly and take such action as is necessary to revise such information.

Verification. Agent authorizes Schwab to inquire from any source, including a consumer reporting agency, as to Customer's identity (as required by federal law), creditworthiness and ongoing eligibility for the Account (and that of Customer's spouse, if Customer lives in a community-property state) at account opening, at any time

Section 3: Agent's Terms and Conditions (Continued)

throughout the life of the Account, and thereafter for debt collection or investigative purposes.

Monitoring of Conversations. Agent agrees that Schwab may, but is not obligated to, record telephone calls to monitor the quality of service Agent or Customer receives, to verify securities transaction information or for any other valid purpose. Agent acknowledges that Schwab may not be able to locate a tape recording unless Schwab is provided the date and time of the conversation and the full name of the Schwab representative involved in the conversation. Agent agrees that Schwab has the sole right to determine how long tape recordings will be retained.

Sale and Control of Restricted Securities (LPOA and FPOA only). Before instructing Schwab to sell securities that are:

- "restricted securities" or securities of an issuer of which Agent or the Customer is an "affiliate" (as those terms are defined in Rule 144 under the Securities Act of 1933), or
- securities that are being sold in reliance on Rule 701 or Rule 145 under such Act, or
- securities of which the Customer or the Agent and the issuer or its underwriter have entered into an agreement restricting the transferability of such securities,

Agent agrees to tell Schwab the status of such securities and promptly furnish whatever information and documents (including opinions of legal

counsel, if requested) that Schwab requests in order to comply with its regulatory duties.

Agent agrees not to hold Schwab liable for delays in the sale or settlement of such securities, or the release of proceeds from such sale resulting from the failure of the issuer's counsel to issue in a timely manner or to approve any necessary legal opinion, or any other action or failure to act of any person or entity other than Schwab.

Agent agrees not to tender any such securities as collateral for an obligation the Customer owes Schwab, unless Agent first obtains Schwab's prior written consent.

Indemnification. Agent agrees to indemnify and hold harmless Schwab, its affiliates and their directors, officers, employees and Agents from and against all claims, actions, judgments, settlement amounts, cost and liabilities, including attorneys' fees, arising out of or relating to:

- any breach by Agent of any provision of this Agreement,
- the performance or non-performance of the Agent's services, and
- any dispute involving Agent and Customer.

Entire Agreement. This Agreement contains all of the agreements, representations and understandings made between Agent and Schwab. All modifications and amendments must be in writing and signed by Schwab.

Schwab may amend the Agreement with advance notice to Agent.

Assignment. Schwab may assign its rights and obligations under this Agreement to any subsidiary, affiliate or successor by merger or consolidation without notice to the Agent, or to any other entity after 30 days' written notice to Agent. Agent may not assign this Agreement without Schwab's prior written consent. This Agreement is binding upon and will inure to the benefit of each party's successors, heirs, legal representative and permitted assigns.

Waivers. The failure of either party at any time to require performance by the other party of any provision of this Agreement will not affect in any way the right to require such performance at any time thereafter. The waiver by either party of a breach of any provision hereof will not be taken or held to be a waiver of the provision itself.

Governing Law. The laws of the state of California (but not the choice of law doctrines), as applied to agreements signed and performed in California, shall apply and bind the parties in any and all questions arising under this Power of Attorney, including questions of validity, interpretation and performance, except that the arbitration agreement in Section 4 below shall be governed by the Federal Arbitration Act.

Arbitration. Agent agrees to the arbitration provisions in Section 4, which also includes required arbitration disclosures.

Section 4: Account Holder and Agent Agree to Arbitration (Read carefully.)

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.
- 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, 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, agents, 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

Section 4: Account Holder and Agent Agree to Arbitration (Continued)

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.

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

In addition to the above provisions, if a party to this Agreement is or becomes a non-U.S. resident at the time of any controversy subject

to this arbitration agreement, such party acknowledges and agrees to the following additional provisions:

- (1) The rules of the organization administering the arbitration specifically provide for the formal designation of the place at which the arbitration is to be held.
- (2) Entering into this Agreement constitutes consent to submit to the personal jurisdiction of the courts of the state of California, U.S.A., to interpret or enforce any or all of these arbitration provisions. Judgment on any arbitration award may be entered in any court having jurisdiction, or application may be made to such court for judicial acceptance of the award and an order of enforcement, as the case may be.

- (3) The exclusive language to be used by the parties and the arbitrators in the arbitration proceedings shall be English. Any party wishing an interpreter shall make all arrangements directly with the interpreter and shall assume all costs of the service.
- (4) If a party is a foreign government or state, state-owned or state-operated enterprise or other instrumentality of a foreign government or state, such party waives all rights of sovereign immunity and neither the Federal Act of State doctrine nor the doctrine of sovereign immunity shall apply insofar as any enforcement in courts located in the U.S.A. is concerned.

Section 5: Schwab Bank Account Holder's Authorization of Agent's Powers (Read carefully.)

I authorize Charles Schwab Bank ("Schwab Bank") to take such actions as Schwab Bank deems necessary to carry out instructions Schwab Bank receives from me and/or Agent. I further authorize Schwab Bank, in its sole discretion and for whatever reason, to request additional documentation from me prior to executing any transaction requested by my Agent. If I have appointed two or more Agents, both Agents will have identical powers as indicated in Section 2 of the Power of Attorney form, and I hereby authorize them to act alone and without the consent of the other Agent or Agents with respect to the powers granted. In addition, I hereby authorize Schwab Bank, in its sole discretion, to restrict my Schwab Bank High Yield Investor Checking™ Account from further activity in the event the Agents enter conflicting or inconsistent instructions.

For LPOA, my Agent's authority consists of the authority to view account information, balances

and transactions, but not to make withdrawals or transfer funds. My Agent may also request copies of specific account statements upon my request.

For FPOA, my Agent's authority consists of unlimited authority to view account information, balances and transactions, transfer or withdraw money from my Account, including into the name of the Agent, to write checks against my Account, obtain stop payments and generally take any other actions with respect to my Account in the same manner and to the same extent as I am permitted to do. My Agent may also request copies of specific account statements upon my request. I understand that certain access devices may not be made available to my Agent. My Agent is authorized to update certain account information, but not to change the High Yield Investor Checking account mailing address nor to change or create joint accounts. At its discretion, Schwab Bank may,

but is not obligated to, decline to accept certain updated account information from the Agent. My Agent is authorized on my behalf to enter into further agreements with Schwab Bank regarding my High Yield Investor Checking account and generally to take all actions necessary in connection with the Account, or which are considered desirable by the Agent.

Whenever this Power of Attorney is attached to any instrument of assignment or transfer, all persons shall be entitled, without further inquiry or investigation and regardless of the date of such Power of Attorney, to act in reliance upon the assumption that the Account Assets named in such instrument were duly and properly transferred, endorsed, sold, assigned, set over and delivered, and that with respect to such Account Assets the authority conferred herein is still in full force and effect.

Section 6: Schwab Bank Account Holder's Terms and Conditions (Read carefully.)

All transactions will be governed by the terms and conditions of all account agreements as applicable to my High Yield Investor Checking account.

Role of Schwab Bank. I acknowledge and agree that:

- Schwab Bank will merely effect transactions as directed by Agent (LPOA and FPOA);
- Schwab Bank will not give legal or tax advice;
- Schwab Bank is not acting as a fiduciary;
- I (and not Schwab Bank) am responsible for investigating and selecting Agent;
- Agent is not affiliated with or controlled or employed by Schwab Bank, and Schwab Bank has not approved, recommended or endorsed Agent;
- Unless required by applicable law, Schwab Bank has no duty to review, supervise or monitor any transaction by Agent in my High Yield Investor Checking account; and
- Schwab Bank reserves the right, in its sole discretion, to no longer honor instructions for Agent and will notify me if it chooses to do so.

I understand that Schwab Bank has not provided any advice to me regarding this Power of Attorney, and if there is anything about this Power of Attorney that I do not understand, I

should consult with my personal attorney for an explanation.

Indemnification. I hereby ratify and confirm any and all transactions or dealings effected in and for my High Yield Investor Checking account by my Agent, and I agree to indemnify and hold harmless Schwab Bank, its affiliates, and their directors, officers, employees and agents from and against all claims, actions, judgments, settlement amounts, costs and liabilities, including attorneys' fees, arising out of or relating to:

- their reliance on this Power of Attorney,
- Schwab Bank's execution of Agent's instructions, and
- Schwab Bank's execution of disbursement instructions received from Agent (FPOA only).

Furthermore, I agree to indemnify and hold Schwab Bank harmless from, and to pay Schwab Bank promptly upon demand for, any and all losses or financial obligations which may arise from the acts or omissions of the Agent with respect to my High Yield Investor Checking account. I also agree that Schwab Bank will not be liable and I will not attempt to hold Schwab Bank liable for any transaction or decision made by the Agent whom I have selected, regardless

of whether or not any such transaction or decision was specifically authorized by me.

Termination of Authority. This Power of Attorney, authorization and indemnification will remain in effect until Schwab Bank or Schwab is notified in writing of my death, mental disability, incompetence or incapacity or until I have revoked it by written notification, and such notification is received by Schwab Bank or Schwab. Such revocation will not affect my obligations resulting from transactions initiated prior to Schwab Bank's or Schwab's receipt of notice of revocation.

Assignment. This Power of Attorney supplements and in no way limits or restricts rights which Schwab Bank may have under existing law or any other agreement with me. This Power of Attorney will bind my heirs, executors, administrators, successors and assigns, and will benefit Schwab Bank's successors, affiliates and assigns.

Governing Law. The laws of the state of Nevada (but not the choice of law doctrines), as applied to Schwab Bank agreements signed and/or performed by Schwab Bank, shall apply and bind the Account Holder(s) and Agent(s) in any and all questions arising under Sections 5 through 7 of this Power of Attorney Authorization and Agreement, including questions of validity,

Section 6: Schwab Bank Account Holder's Terms and Conditions (Continued)

interpretation and performance. All other questions arising out of any other section of this Power of Attorney Application and Agreement shall be governed by California law.

Arbitration. The arbitration provision in the Schwab Bank Deposit Account Agreement applies to this Power of Attorney with respect to the Account Holder's agreement with Schwab Bank.

Section 7: Schwab Bank Agent's Terms and Conditions (Read carefully.)

The Agent signing in Section 6 of the Power of Attorney form and Schwab Bank agree that the authority conferred on the Agent by the Power of Attorney executed by the Schwab Bank High Yield Investor Checking™ Account Holder ("Customer") shall be exercised in accordance with the following terms and conditions:

Authorization to Make Transactions in the Customer's Account. Agent may give instructions and take actions with respect to the Account pursuant to the Power of Attorney. Customer may revoke the Power of Attorney at any time by giving written notice to Schwab Bank or Schwab.

Customer will have concurrent full authority at all times to take actions for the Account. Agent agrees not to take any actions that exceed the authority under the Power of Attorney or any other agreement between the Agent and the Customer.

Role of Schwab Bank. Unless required by applicable law, Schwab Bank will not make or review transactions or investment decisions or offer legal or tax advice and is not in any way responsible for reviewing, supervising or monitoring any transactions in a Customer's account.

Account Statements. Unless the Customer makes a specific request, Schwab Bank will not send duplicate account statements to the Agent.

Agent's Relationship to Schwab Bank. Such Agent will not represent to Customer that Schwab Bank and Agent are affiliated or have any relationship other than that described in this Power of Attorney; that Schwab Bank endorses or recommends the Agent; that Schwab Bank provides any advice other than that described in this Power of Attorney; that Schwab Bank participates in or reviews Agent's decisions; or that Schwab Bank manages, supervises or monitors transactions in the Account.

Any Agent agrees to immediately notify Schwab Bank of the Customer's death or any termination or revocation of the Power of Attorney and/or modification of the Power of Attorney; Agent also agrees to notify Schwab Bank of any incapacity, incompetence or mental disability of the Customer that would render the Power of Attorney void.

Compliance with Applicable Laws. Agent will comply with all applicable state and federal laws, rules and regulations as they may be amended from time to time, including, without limitation, making such disclosure as may be required by applicable law, rule or regulation.

Information. Agent will provide promptly any information reasonably requested by Schwab Bank concerning the management of the Account or compliance with this Power of Attorney. If questions arise concerning compliance with any law, whether federal or state, Agent will take any action believed by Schwab Bank to be necessary to ensure compliance with applicable law. This provision shall not be read to imply that Schwab Bank has any duty to supervise or monitor Agent's management of Customer's accounts or compliance with applicable law.

Agent represents and warrants that all information Agent provides to Schwab Bank in this Power of Attorney, or otherwise at any time, is true, accurate and complete. If any information Agent furnishes to Schwab Bank becomes materially inaccurate, false, or otherwise misleading, Agent agrees to notify Schwab Bank promptly and take such action as is necessary to revise such information.

Verification. Agent authorizes Schwab Bank to inquire from any source, including a consumer reporting agency, as to Agent's identity (as required by federal law), creditworthiness and ongoing eligibility for the High Yield Investor Checking account at account opening, at any time throughout the life of the Account, and thereafter for debt collection or investigative purposes.

Recording and Monitoring Telephone Calls. Schwab Bank may record or monitor telephone calls between Agent and Schwab Bank. Schwab Bank need not remind Agent of such recording or monitoring before each call unless required to do so by law.

Indemnification. Agent agrees to indemnify and hold harmless Schwab Bank, its affiliates and their directors, officers, employees and Agent from and against all claims, actions, judgments, settlement amounts, cost and liabilities, including attorneys' fees, arising out of or relating to:

- any breach by Agent of any provision of this Power of Attorney,
- the performance or non-performance of the Agent's services, and
- any dispute involving Agent and Customer.

Entire Agreement. This Power of Attorney and the Schwab Bank High Yield Investor Checking Account Agreement contain all of the agreements, representations and understandings made between Agent and Schwab Bank. All modifications and amendments must be in writing and signed by Schwab Bank. Schwab Bank may amend this Power of Attorney with advance notice to Agent.

Assignment. Schwab Bank may assign its rights and obligations under this Power of Attorney to any subsidiary, affiliate or successor by merger or consolidation without notice to the Agent, or to any other entity after 30 days' written notice to Agent.

Agent may not assign this Power of Attorney without Schwab Bank's prior written consent. This Power of Attorney is binding upon and will inure to the benefit of each party's successors, heirs, legal representative and permitted assigns.

Waivers. The failure of either party at any time to require performance by the other party of any provision of this Power of Attorney will not affect in any way the right to require such performance at any time thereafter. The waiver by either party of a breach of any provision hereof will not be taken or held to be a waiver of the provision itself.

Governing Law. The laws of the state of Nevada (but not the choice of law doctrines), as applied to Schwab Bank agreements signed and/or performed by Schwab Bank, shall apply and bind the Customer(s) and Agent(s) in any and all questions arising under Sections 5 through 7 of this Power of Attorney Authorization and Agreement, including questions of validity, interpretation and performance. All other questions arising out of any other section of this Power of Attorney Authorization and Agreement shall be governed by California law.

Arbitration. With respect to its relationship with Schwab Bank, Agent agrees to the arbitration provision located in the Schwab Bank Deposit Account Agreement.