

What's inside:

- Irrevocable Stock or Bond Power Form
- Authorization to Deposit Stock and Bond Certificates
- Postage-paid envelope

Irrevocable Stock or Bond Power Form

To transfer stocks or bonds for which you've been issued a certificate

If the certificates and your Vanguard Brokerage account are identically registered, simply endorse the certificates exactly as registered and mail them to us at the address below.* Be sure to write your Vanguard Brokerage account number on the front of the certificate in the upper right corner or provide the number in a letter of instruction.

If the certificates and your Vanguard Brokerage account are NOT identically registered, complete the Authorization of all certificate owners in Section 4 of the form and follow the endorsement instructions on the form.*

If you've already sent us certificates and were notified that they were endorsed incorrectly, complete our Irrevocable Stock or Bond Power Form to ensure the certificates are transferred.

Mailing instructions

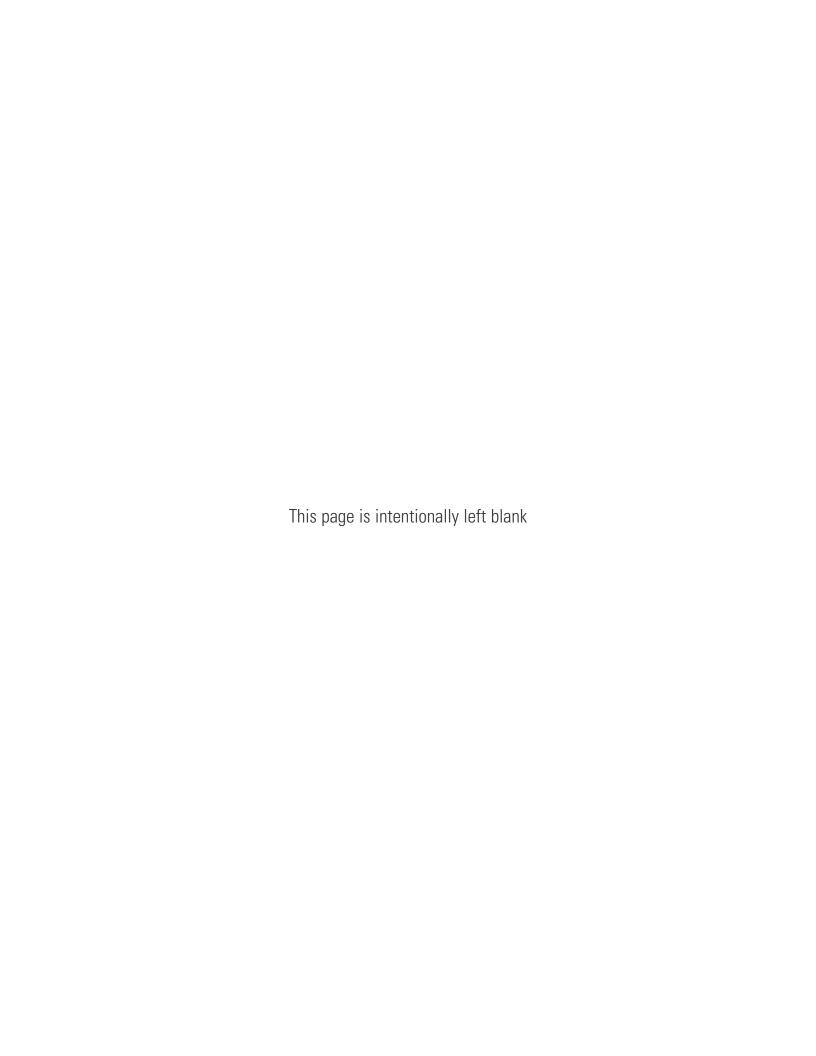
Make a copy of your completed forms and/or certificates for your records. Then mail them by overnight delivery or by registered or certified mail (with return receipt requested) to:

Vanguard Brokerage Services 5951 Luckett Court, Suite A1 El Paso, TX 79932-1882

Questions?

Call us at 800-992-8327.

^{*}Important: If you'd prefer not to endorse the certificates, you can mail them to us along with a completed Irrevocable Stock or Bond Power Form. Please note that you'll need to complete a separate copy of the form for each security issuer.





Irrevocable Stock or Bond Power Form

Effective June 2020

Use this form to authorize the deposit, transfer, or sale of stocks or bonds for which Vanguard Brokerage Services® has received certificates that are either unsigned or not signed correctly.

Complete a separate Irrevocable Stock or Bond Power Form for each CUSIP number, which is located on the front of each security certificate.

Stock or bond certificates without correct endorsement and/or required support documentation can't be held longer than 30 business days. If the correct endorsement and/or required supporting documentation aren't received by the end of 30 days, the certificates will be sent back to you.

To prevent delay or loss and to ensure that your certificates are deposited correctly, see Mailing information on page 4. We can't accept this form by fax; you must mail it along with your stock and/ or bond certificates.

Print in capital letters and use black ink.

Questions? Call 800-992-8327.

1. Vanguard Brokerage Account information required

Enter the Vanguard Brokerage account number into which each certificate is to be deposited.

If any name on the certificate isn't identical to a name listed here, a > Medallion signature guarantee is required in Section 4.

Vanguard Brokerage account number
Name of owner/fiduciary
Name of joint owner/fiduciary
Name of trust/plan

2. Stock and/or bond description required

If you need more space to list additional > certificates for this CUSIP, provide the information on a separate sheet.

Company name	CUSIP
Number of stock shares or bonds	Certificate number
Number of stock shares or bonds	Certificate number

3. Certificate registration required

Provide the full	Name of owner/fiduciary first, middle initial, last
name(s) exactly as listed on the	Name of owner/fiduciary first, middle initial, last
certificate(s).	Name of trust/plan

4. Authorization of all certificate owners

This section is required only if the certificate registration listed in Section 3 doesn't match the Vanguard Brokerage Account registration listed in Section 1.

Read this section carefully. By signing, you acknowledge that:

- You hereby irrevocably relinquish all rights, title, and interest to the assets listed on the previous page.
- You hereby acknowledge that you have read and understand the terms of this request to transfer assets and that the terms of this request are binding regardless of any other agreement(s) between you and the recipient(s) of these assets.
- You hereby release and discharge Vanguard Marketing Corporation, its affiliates, and their respective
 employees and agents from any liability or claims in connection with the instructions in this form and
 agree to indemnify and hold Vanguard Marketing Corporation and them harmless against loss from
 any action, claim, or demand of any person based on Vanguard Marketing Corporation acting under
 these instructions.
- If a security is registered in the names of more than one owner, the signatures of all owners are required. If any name on a certificate isn't identical to a name in Section 1, a Medallion signature guarantee is required; don't sign below until you're in the presence of an authorized officer. If you're the fiduciary (that is, trustee, successor trustee, custodian, executor/executrix, authorized officer, attorney-in-fact, or agent), please sign in that capacity below.

Signature of certificate owner/fiduciary include title/capacity	Date mm/dd/yyyy
X	
Signature of certificate owner/fiduciary include title/capacity	Date mm/dd/yyyy
X	

Sign here exactly as listed in Section 3.

Medallion signature guarantee if applicable

You can get a
Medallion signature
guarantee from an
authorized officer of
a bank, broker, and
many other financial
institutions.

A notary public CANNOT provide a signature guarantee.

Authorized officer's title	Signed guarantee stamp must be original and state "Medallion guaranteed"
Name of institution	
Date mm/dd/yyyy	

5. Authorization to transfer registration required

Name of individual or entity

For value received, the undersigned does (do) hereby sell, assign, and transfer to:

If endorsing stocks:

_______(total number) shares of the ______(share class) stock of _______(company name), represented by certificate numbers ________inclusive, standing in the name of the undersigned on the books of said company.

If endorsing bonds:

_______(total number) bonds of _______(company name) in the principal amount of \$______, represented by certificate number(s) ________, inclusive, standing in the name of the undersigned on the books of said company.

The undersigned does (do) hereby irrevocably constitute and appoint Vanguard Brokerage Services attorney to transfer the said stocks or bonds, as the case may be, on the books of said company, with full power of substitution in the premises. Vanguard Brokerage Services shall not at any time be responsible for providing the undersigned with information concerning cash or stock dividends, stock splits, corporate actions, or any other information, advice, guidance, or recommendation with respect to an order by the undersigned to purchase or sell securities.

Signatures You must sign below.

Follow these instructions > when signing.

Sign here. >

Important: Sign below exactly as the names are listed on the face of each stock or bond certificate. If a security is registered in the names of more than one owner, the signatures of all owners are required. If you're a fiduciary (that is, a trustee, successor trustee, custodian, executor, authorized officer, attorney-in-fact, or agent), please sign in that capacity below.

Signature of account owner or fiduciary include title/capacity	Date mm/dd/yyyy
X	
Signature of account owner or fiduciary include title/capacity	Date mm/dd/yyyy
X	

Don't write below this line—Vanguard use only.

Certificate endorsement instructions

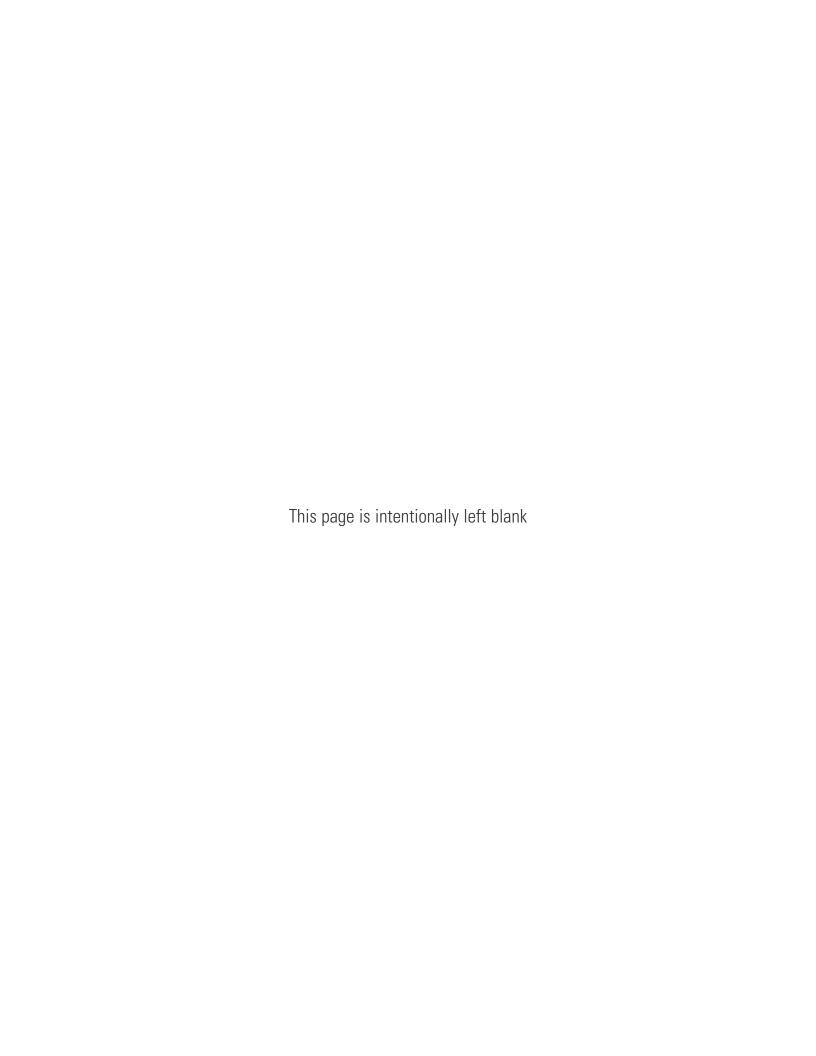
For Value Received	[Leave this space blank.] hereby sell, assign, and transfer unto	
PLEASE IN:	SERT SOCIAL SECURITY OR OTHER IDENTIFYING NUMBER OF ASSIGNEE	
	[Leave this space blank.]	
PLEASE PR	NT OR TYPE NAME AND ADDRESS, INCLUDING ZIP CODE, OF ASSIGNEE	
	[Leave this space blank.]	
	[Leave this space blank.]	
shares of the common stock represented by the within Certificate and do hereby irrevocably constitute and appoint [Fill in "Vanguard Brokerage Services"]		
Attorney to transfer the said stock on the books of the within-named Corporation with full power of substitution in the premises.		
Dated	2 [Fill in current date.]	
Signature	[Sign your name exactly as it appears on the face of the certificate. All owners must sign.]	
	[Record your Vanguard Brokerage Account number on the front of the certificate, in the upper right corner.]	

Mailing information

Make a copy of your completed form and certificates for your records.

To prevent delay or loss and to ensure that your certificates are deposited correctly, mail this form (pages 1–4), your certificates, and any other required documentation by overnight delivery or by registered or certified mail (with return receipt requested) to:

Vanguard Brokerage Services 5951 Luckett Court, Suite A1 El Paso, TX 79932-1882



Amid all the "noise" in the marketplace about what you should and shouldn't do to invest successfully, we believe the key is to pay attention to the few things that really matter: low costs, diversification, and a long-term perspective. Vanguard helps you stay focused on these essentials—and that can make a difference in your net investment results.



P.O. Box 982901 El Paso, TX 79998-2901

Connect with Vanguard® > vanguard.com > 800-992-8327

Vanguard Brokerage Services is a division of Vanguard Marketing Corporation, member FINRA and SIPC.