

Institutional Bank Transfer Form

- Please print clearly in capital letters and black ink.
- This form is to be used to add U.S. bank account instructions to a Vanguard account(s) and should only be used by institutional clients.
- Once your bank account information is added to a Vanguard account(s), you can make electronic bank transfers (EBTs) and wire transfers between a U.S. bank account and your Vanguard account(s).
- Do not use this form to add international bank account information to your Vanguard account(s). Use our International Wire Option Form instead.
- You can delete a bank account already on file with Vanguard by sending a letter of instruction to Vanguard.
- The authorized signer(s) responsible for providing transaction instructions for your organization, as identified in the Vanguard Organization Resolution Form or the Vanguard Certificate of Authority for Retirement Plans (for retirement plan trusts whose trustees are one or more individuals), must sign in Section 5. If your organization has not submitted a Vanguard Organization Resolution Form or Vanguard Certificate of Authority for Retirement Plans, as applicable, you must attach a current (within six months) certified resolution that indicates the person(s) signing this form has authority to add bank account instructions.
- Make a copy of your completed form for your records and mail the original to Vanguard. See the *Contact information* section for the mailing address.
- Please allow us one week after receiving this form to add the bank information to your Vanguard account(s).
- If you have any questions or require assistance completing this form, call us at 800-950-0053 (Institutional Investment Services) or 800-669-0498 (Intermediary Services).

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1. Registered Vanguard account owner contact information

| Name of organization | Organization's taxpayer identification number | |
|--|---|--|
| Contact name | Telephone | |
| Fax number | E-mail address | |
| Trustee name(s) (individual(s) or firm, if the registered Vanguard account owner is a trust) | | |

2. Bank account information

Required documentation

You must provide <u>one</u> of the following:

- A voided check.
- A preprinted deposit slip.
- A bank account statement that contains the account number and the registration of the bank account.
- A letter from the bank on bank letterhead, signed by a bank officer, that contains the account number, routing number, account registration, and authorized signer(s).

Note: If the bank account is owned by and registered in the name of an organization or trust, and the name(s) of the authorized signer(s) or trustee(s) doesn't appear in the registration on the voided check, preprinted deposit slip, or bank account statement, you must submit a letter from the bank. The letter must be on bank letterhead, signed by a bank officer, and contain the following:

- The bank account number.
- The bank routing number.
- The account registration.
- The name(s) of the authorized signer(s) required to approve debit and credit entries to the organization's or trust's bank account.

| Organization | Contact name |
|--------------|--------------|
| | |

The following bank account information will be enabled for both EBT and wire transfers.

| Bank name | Telephone |
|--|--|
| Street address | |
| City, state, zip code | |
| Bank account registration* | |
| | |
| | |
| Account type: | |
| Checking Savings | |
| Bank account number | Bank routing/ABA number |
| Beneficiary name/for further credit to | Beneficiary account number/for further credit to |
| (information for wire transfers) | (information for wire transfers) |

*List names of all bank account owners and/or signers whose names appear in the registration of the bank account.

Option elections

Choose one:

- □ Make the bank account information in Section 2 the primary bank account for the organization's Vanguard account(s).
- Add the bank account information in Section 2 for secondary use.

| Organization | Contact name |
|--------------|--------------|
| | |

3. Vanguard account information

Complete this section to indicate which Vanguard account(s) will be used to receive transfers from and make transfers to the bank account cited in Section 2.

Choose one:

□ This bank account information should be added to all of the organization's Vanguard accounts.

□ This bank account information should only be added to the Vanguard account(s) listed below.

| Vanguard account number | Registered Vanguard account owner |
|-------------------------|-----------------------------------|
| Vanguard account number | Registered Vanguard account owner |
| Vanguard account number | Registered Vanguard account owner |

To add the bank account information to more than three Vanguard accounts, attach additional copies of this page.

4. Authorized signers

Is/Are the individual(s) signing this form on behalf of the organization identified in Section 1 also the authorized signer(s) on the bank account identified in Section 2, and no other signer is required to authorize electronic credits and debits to that bank account?

If you checked "No" above, give this form to the authorized signer(s) of the bank account and have that person(s) sign in Section 5B. You must sign in Section 5A.

| Organization | Contact name |
|--------------|--------------|
| | |

5. Signatures

If the names of the account owner(s)/authorized signer(s) on the Vanguard account(s) and the bank account don't match exactly, then all individuals named in Section 3 and all required authorized signers of the bank account listed in Section 2 must have their signatures notarized.

A. Signature(s) of authorized signer(s) on Vanguard accounts

The undersigned hereby certify on behalf of the registered account owner(s) identified in Section 3 that:

- With respect to the Vanguard accounts listed in Section 3:
 - I/We authorize The Vanguard Group, Inc., (and any of its affiliates or subsidiaries, individually or collectively, "Vanguard") in accordance with the instructions in this form and future telephone, fax, or online requests using those instructions, to pay the amount representing redemptions made by an authorized person by wire transfer or by initiating credit entries, or to secure payment of amounts invested by an authorized person by initiating debit entries to the bank account identified in Section 2.
 - I/We further agree that Vanguard will not incur any loss, liability, cost, or expense for acting upon the instructions in this
 form or in a telephone, fax, or online request for an electronic bank transfer or wire transfer using those instructions that
 are believed by Vanguard to have originated from an authorized person.
 - I/We understand that I/we may terminate this authorization at any time by written notification to Vanguard. The termination will be effective as soon as Vanguard has had a reasonable amount of time to act on it.
- If "Yes" has been checked in Section 4:
 - I/We authorize Vanguard to make credit or debit entries to the bank account identified in Section 2 if Vanguard, in good faith, believes they have been initiated by an authorized person.
 - I/We authorize the bank to accept any such credits or debits to that bank account without responsibility for their correctness and acknowledge that the origination of transactions through the ACH network (described in this form as electronic bank transfers) to that bank account must comply with U.S. law.
 - I/We understand that I/we may terminate the authorization at any time by written notification to the bank and to Vanguard. The termination will be effective at Vanguard as soon as Vanguard has had a reasonable amount of time to act on it.
 - I/We represent and warrant to Vanguard that I am/we are an authorized signer(s) on the bank account identified in Section 2, and no other authorized signer is required to sign to authorize debit or credit entries to that bank account.

| Signature of authorized person* | Date (<i>mm/dd/yyyy</i>) |
|---------------------------------|----------------------------|

* If you are required to have your signature notarized, do not sign here until you are in the presence of a notary public. The notarization must be dated within 30 days of receipt of this document by Vanguard. Make copies of this page if you need more space for signatures and/or notarizations.

| Organization | Contact name | |
|---|---|------------------------------|
| Acknowledgement of signature | | |
| | , before the undersigned, a notary public, personally appeared, satisfactorily proven to be the person whose name is signed | |
| (name of person signing) to this instrument, and acknowledged that he/she executed the I hereunto set my hand and official seal. | same for the purpose therein co | ntained. In witness whereof, |
| Signature of notary public | Notary seal (if sta | ate requires a seal) |
| Commission expiration date (mm/dd/yyyy) | | |
| Print name of authorized person (first, middle initial, last) | | |
| Signature of authorized person* | | Date (mm/dd/yyyy) |
| * If you are required to have your signature notarized, do not The notarization must be dated within 30 days of receipt of you need more space for signatures and/or notarizations. | | |

Acknowledgement of signature

| On this, the day of | , 20 | _ , before the undersigned, | a notary public, personally appeared |
|---------------------|------|-----------------------------|--------------------------------------|
|---------------------|------|-----------------------------|--------------------------------------|

_____, satisfactorily proven to be the person whose name is signed (name of person signing)

to this instrument, and acknowledged that he/she executed the same for the purpose therein contained. In witness whereof, I hereunto set my hand and official seal.

| Signature of notary public | Notary seal (if state requires a seal) |
|---|--|
| Commission expiration date (mm/dd/yyyy) | |

| Print name of authorized person (first, middle initial, last) | |
|---|----------------------------|
| Signature of authorized person* | Date (<i>mm/dd/yyyy</i>) |

* If you are required to have your signature notarized, do not sign here until you are in the presence of a notary public. The notarization must be dated within 30 days of receipt of this document by Vanguard. Make copies of this page if you need more space for signatures and/or notarizations.

| Organization | Contact name | |
|---|--|--|
| Acknowledgement of signature | | |
| On this, the day of , 20 , before the undersigned, a notary public, personally appeared, satisfactorily proven to be the person whose name is signed | | |
| (name of person signing) | | |
| to this instrument, and acknowledged that he/she executed the same for the purpose therein contained. In witness whereof, I hereunto set my hand and official seal. | | |
| Signature of notary public | Notary seal (if state requires a seal) | |

| Commission expiration date (mm/dd/yyyy) | |
|---|--|
| | |
| | |
| | |

B. Signature(s) of authorized signer(s) on the bank account

If "No" has been checked in Section 4, the authorized signer(s) on the bank account must sign below.

I/We, the undersigned authorized signer(s) on the bank account identified in Section 2:

- Authorize The Vanguard Group, Inc., (and any of its affiliates or subsidiaries, individually or collectively, "Vanguard") to
 make credit or debit entries to the bank account identified in Section 2 if Vanguard, in good faith, believes they have been
 initiated by an authorized person.
- Authorize the bank to accept any such credits or debits to that bank account without responsibility for their correctness and acknowledge that the origination of transactions through the ACH network (described in this form as electronic bank transfers) to that bank account must comply with U.S. law.
- Understand that I/we may terminate this authorization at any time by written notification to the bank and to Vanguard. The termination will be effective at Vanguard as soon as Vanguard has had a reasonable amount of time to act on it.
- Represent and warrant to Vanguard that I am/we are an authorized signer(s) on the bank account identified in Section 2, and no other authorized signer is required to sign to authorize debit or credit entries to that bank account.

| Print name of bank account authorized signer (first, middle initial, last) | |
|--|-------------------|
| Signature of bank account authorized signer* | Date (mm/dd/yyyy) |

* If you are required to have your signature notarized, do not sign here until you are in the presence of a notary public. The notarization must be dated within 30 days of receipt of this document by Vanguard. Make copies of this page if you need more space for signatures and/or notarizations.

| Organization | | Contact name |
|--|---------------|---|
| Acknowledgement of signature | | |
| On this, the day of | | , before the undersigned, a notary public, personally appeared , satisfactorily proven to be the person whose name is signed |
| (name of person signing) | | |
| to this instrument, and acknowledged that he/sh I hereunto set my hand and official seal. | e executed th | ne same for the purpose therein contained. In witness whereof, |
| Signature of notary public | | Notary seal (if state requires a seal) |
| | | |
| Commission expiration date (mm/dd/yyyy) | | |
| | | |
| | | |

| Print name of bank account authorized signer (first, middle initial, last) | |
|--|----------------------------|
| Signature of bank account authorized signer* | Date (<i>mm/dd/yyyy</i>) |

* If you are required to have your signature notarized, do not sign here until you are in the presence of a notary public. The notarization must be dated within 30 days of receipt of this document by Vanguard. Make copies of this page if you need more space for signatures and/or notarizations.

Acknowledgement of signature

On this, the _____ day of ______, 20 ____, before the undersigned, a notary public, personally appeared ______, satisfactorily proven to be the person whose name is signed

(name of person signing)

to this instrument, and acknowledged that he/she executed the same for the purpose therein contained. In witness whereof, I hereunto set my hand and official seal.

| Signature of notary public | Notary seal (if state requires a seal) |
|---|--|
| | |
| Commission expiration date (mm/dd/yyyy) | |
| | |

| Organization | Contact name |
|--------------|--------------|
| | |

| Print name of bank account authorized signer (first, middle initial, last) | |
|--|-------------------|
| Signature of bank account authorized signer* | Date (mm/dd/yyyy) |

* If you are required to have your signature notarized, do not sign here until you are in the presence of a notary public. The notarization must be dated within 30 days of receipt of this document by Vanguard. Make copies of this page if you need more space for signatures and/or notarizations.

Acknowledgement of signature

On this, the _____ day of _____ , 20 ____ , before the undersigned, a notary public, personally appeared

_____, satisfactorily proven to be the person whose name is signed

(name of person signing)

to this instrument, and acknowledged that he/she executed the same for the purpose therein contained. In witness whereof, I hereunto set my hand and official seal.

| Signature of notary public | Notary seal (if state requires a seal) |
|---|--|
| | |
| Commission expiration date (mm/dd/yyyy) | |
| | |

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Contact informationInstitutional Investment Services: 800-950-0053
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(all USPS mail)Vanguard
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El Paso, TX 79998-2903Street Address
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El Paso, TX 79932

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