

Taxpayer ID Certification (Substitute Form W-9)

Use this form if you are a U.S. person (includes resident aliens and other U.S. persons as defined in the instructions to IRS Form W-9) to certify your Social Security number (SSN), Taxpayer ID number (TIN), and/or your backup withholding status. If you are not a U.S. person, use the appropriate IRS Form W-8. Type on screen or print out and fill in using CAPITAL letters and black ink.

Account Number

1. Taxpayer/Account Owner

Sole proprietors and disregarded entity owners: Provide name and TIN of owner on top line and business name on second line.

UGMAs/UTMAs: Provide minor's name and TIN here, parent or custodian's name and signature in Section 2.

Name(s)		TIN (Social Security or Taxpayer ID Number)	
Business/Disregarded Entity Name <i>If different</i>			
Address			
City	State	ZIP Code	
Primary Phone			

Tax Classification

Check one.

<input type="checkbox"/> Individual <i>Includes sole proprietors and individual owners of disregarded entities (such as many LLCs).</i>	<input type="checkbox"/> C Corporation	<input type="checkbox"/> LLC taxed as Partnership	<input type="checkbox"/> Other:
<input type="checkbox"/> Partnership	<input type="checkbox"/> S Corporation	<input type="checkbox"/> LLC taxed as C Corporation	<input type="checkbox"/> Classification
	<input type="checkbox"/> Trust/Estate	<input type="checkbox"/> LLC taxed as S Corporation	

Exemptions

Exempt payee code <i>If any</i>	<i>For a list of applicable codes, refer to the Backup Withholding Exemption Codes document at the end of this form.</i>
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2. Signature and Date Taxpayer/account owner must sign and date.

If the IRS has notified you that you are currently subject to backup withholding because you failed to report all interest and dividends on your tax return, CROSS OUT this bullet.

- By signing below, you certify, under penalties of perjury, that all of the following are true:
- You are not subject to backup withholding because any of the following applies:
 - You are exempt from backup withholding.
 - You have not been notified by the Internal Revenue Service (IRS) that you are subject to backup withholding as a result of a failure to report all interest or dividends.
 - The IRS has notified you that you are no longer subject to backup withholding.
 - The Social Security number or TIN shown on this form is your correct taxpayer identification number (or you are waiting for a number to be issued to you).
 - You are a U.S. citizen or other U.S. person (as defined in the instructions to IRS Form W-9).
 - The FATCA code(s) entered on this form (if any) indicating that you are exempt from FATCA reporting is correct.

PRINT NAME	
SIGN X	SIGNATURE
	TODAY'S DATE MM/DD/YYYY

<p>Complete and submit</p> <ol style="list-style-type: none"> Complete the form and sign. Scan or take a digital photo of the ENTIRE form. Visit Fidelity.com/upload to submit your files or photos. You will receive a confirmation of your updates. 	<p>For individuals outside the U.S., submit via mail to:</p> <p>Regular Mail Fidelity Investments PO Box 770001 Cincinnati, OH 45277-0002</p>
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Backup Withholding Exemption Codes

Use the codes below to populate the Tax Exemption Code field in the Account Registration section of applicable new account applications. The following is an excerpt from the IRS Form W-9. For more information, visit www.irs.gov/formspubs.

Exempt payee code. Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends. Corporations are not exempt from backup withholding for payments made in settlement of payment card or third-party network transactions.

The following codes identify payees that are exempt from backup withholding:

- 1 An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2 The United States or any of its agencies or instrumentalities
- 3 A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities
- 4 A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5 A corporation
- 6 A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States
- 7 A futures commission merchant registered with the Commodity Futures Trading Commission
- 8 A real estate investment trust
- 9 An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10 A common trust fund operated by a bank under section 584(a)
- 11 A financial institution
- 12 A middleman known in the investment community as a nominee or custodian
- 13 A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for...	THEN the payment is exempt for...
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Payments over \$600 required to be reported	Generally, exempt payees 1 through 5