

FIDELITY TICKET CHARGE SCHEDULE

In this ticket charge schedule, “chargeable asset” means that the asset is included in the asset-based fee calculation for brokerage services and that all transaction fees are waived unless otherwise specified, and “non-chargeable asset” means that the asset will not be included in the asset-based fee calculation for brokerage services but will be subject to the applicable transaction fee charges.

Domestic equities, ETFs, exchange-traded fixed income securities, auction rate securities, options, municipal bonds, corporate bonds, CDs, government bonds (including agencies), mortgage-backed securities and U.S. Treasury and related securities, commercial paper, structured notes, government auction orders (notes and bonds), government Treasury bills auction orders, variable rate demand notes, and variable rate demand obligations are “chargeable assets” and trade without transaction fees.

For ETF transactions, Fidelity Brokerage Services, LLC (“FBS”) receives compensation from the fund’s advisor or its affiliates in connection with an exclusive, long-term marketing program that includes the promotion of certain iShares funds to customers and/or third-party intermediaries who conduct business through the registered investment advisor business segment of Fidelity Clearing & Custody Solutions as well as a reduced commission rate for online or automated purchases and sales of certain iShares funds for customers (“Marketing Program”). FBS is entitled to receive additional payments after termination of the Marketing Program based on a number of criteria, including the overall success of the Marketing Program. The Marketing Program creates significant incentives for FBS to encourage the purchase of iShares funds. Additional information about the sources, amounts, and terms of compensation is in the ETF’s prospectus and related documents.

EQUITIES

International (USD settlement) ¹ Some transactions may be subject to a Foreign Currency Exchange included in the price of the trade using the following rates:	Chargeable assets FX Component of Trade (included in price of trade): <ul style="list-style-type: none"> .06% of principal (Canada) .30% of principal (all others)
International (local currency, non-USD settlement) (direct customer charge) ²	Non-chargeable assets (Fidelity follows a separate International Equity Trades Schedule)
Trade Here Settle Anywhere Orders ³ (DVP Accounts): <ul style="list-style-type: none"> Domestic International (direct customer charge) 	\$0.03 per share Negotiated basis
Orders Placed Online Using Algorithmic Strategies <ul style="list-style-type: none"> Basic Premium and Fidelity ATS (DarkSweep®) 	Chargeable assets with no additional charge above asset-based fee Chargeable assets with an additional \$0.015 per share premium above asset-based fee
Step-In Orders ⁴:	\$10.00
Trade Away: Trade-away fee ⁴ International Trade-away fee ^{4,5}	\$20.00 Negotiated premium above Trade-away fee

MUTUAL FUNDS (Including Money Markets)

No Transaction Fee (“NTF”) Funds*: <ul style="list-style-type: none"> Fidelity retail funds Fidelity advisor funds Fidelity money market funds Non-Fidelity funds that participate in NTF program 	<ul style="list-style-type: none"> Non-chargeable assets Non-chargeable assets Non-chargeable assets Non-chargeable assets
Transaction Fee (“TF”) Funds*: <ul style="list-style-type: none"> Non-Fidelity funds that do not participate in NTF program (no load) Non-Fidelity load funds with a front-end or back-end sales charge Non-Fidelity load funds with a front-end or back-end sales charge, where a load waiver applies (direct customer charge) 	<ul style="list-style-type: none"> Chargeable assets Non-chargeable assets Non-chargeable assets with a transaction charge/ commission of \$30.00

* At the time of purchase, shares will be assigned either a load, transaction fee (TF) or no transaction fee (NTF) status. When those shares are subsequently sold, any fees applicable to the transaction will be assessed based on the status assigned to the shares at the time of purchase.

FIXED INCOME

Principal Business⁶:

• International (USD settlement) ⁵	Chargeable assets with an additional negotiated FX charge
• International (local currency settlement) ⁵	Non-chargeable assets (Negotiated basis which includes FX charge)

Agency Business:

• Crossing fee ⁷	\$30.00 per side of the order
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TRADE AWAY

• Trade-away fee ⁴	\$20.00
• International Trade-away fee ^{4,5}	Negotiated premium above Trade-away fee

ALTERNATIVE INVESTMENTS - Direct Customer Charge

Alternative Investments Custody - Transaction Fee Funds <ul style="list-style-type: none"> • Buys/Sells • Transfers/re-registration • Annual custody fee (Maximum account charge of \$150.00) 	Non-chargeable assets <ul style="list-style-type: none"> • \$50.00 per transaction • \$50.00 per transaction • \$50.00 per position
Alternative Investments Network® - No Transaction Fee Funds	Non-chargeable assets
Alternative Investments Network® - Transaction Fee Funds <ul style="list-style-type: none"> • Buys/Sells • Transfers/re-registration • Annual custody fee 	Non-chargeable assets <ul style="list-style-type: none"> • \$50.00 per transaction • \$50.00 per transaction • \$0.00 per position

CASH OR CASH EQUIVALENTS

• Assets held in Cash or Cash Equivalents	Non-chargeable assets
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OTHER SECURITIES

• Unit Investment Trust (direct customer charge)	Non-chargeable assets with a transaction charge of \$15.00 per order
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MARGIN BORROWING (Direct Customer Charge)

Average debit balance	Interest rate basis Fed Funds ⁸
• \$0 - \$999,999	Fed Funds + 1.50%
• \$1,000,000+	Fed Funds + 0.75%
	(Table above reflects negotiated rates)

OTHER FEES (Direct Customer Charge)

• International dividend/ reorganization ⁹	FX charge up to 1.0% of principal; 0.50% for trades over \$1,000,000 USD notional
• Wire fee (including foreign currency)	\$15.00
• Wire fee (if the online cashiering feature is not used)	\$30.00
• Check reorder	\$0.00
• Overnight check request	\$0.00
• Retirement Account closeout fee	\$125.00 per account
• Non-retirement account closeout fee (if full TOA to another firm)	\$75.00 per account
• ADR wind/un-wind fee	Competitive basis
• 990T Service Fee*	\$300.00 per event

*Fidelity may be required to file IRS Form 990-T on a customer's behalf in order to report Unrelated Business Taxable Income (UBTI) of \$1,000 or more on Master Limited Partnerships (MLP) and Limited Partnerships (LP) held in the customer's retirement account. IRS Form 990-T is required to be filed by the tax filing deadline, including any extensions. In accordance with the Premiere Select IRA, Premiere Select Roth IRA and Fidelity SIMPLE IRA Custodial Agreements or the Fidelity Retirement Plan and Trust Agreement, as applicable, if a Form 990-T filing is required a \$300 IRS 990-T UBTI Tax Return Filing fee will be paid from the core account of the customer's retirement account.

- ¹ Foreign orders submitted through a standard USD order ticket or manual order submission process. This includes Nasdaq five-letter (pink sheet symbol), ordinary, and ETF shares executed through a U.S. market maker or through the local market settled in USD. Standard equity rates may apply to firms that bill the Master Account.
- ² International Securities that settle and are held in non-USD local currency are non-chargeable, while international securities held in USD are chargeable.
- ³ Custodial jurisdiction is subject to Fidelity Investments approval. Settlement instructions are subject to review and approval by Fidelity. Fidelity Investments reserves the right to limit or prohibit trading to any custodian and country at its discretion. System availability and response times may be subject to market conditions.
- ⁴ With the exception of mark-ups and mark-downs on principal trades, charges outlined within this schedule for trade executed through Fidelity may be reflected as commissions and/or fees on trade confirmations. Trade away fees will appear as Service fees on the confirmation.
- ⁵ Currently available on an exception basis and is subject to further review, approval and documentation requirements.
- ⁶ Fidelity's affiliate, National Financial Services LLC ("NFS") may receive additional compensation or other benefits from principal trades because of the dealer spread or because of any gains resulting from changes in the prices of securities and other property held for NFS' own account before sale to, or after purchase from the customer or advisor block trading account.
- ⁷ Client approves the trade between two customer accounts managed by the same advisor or other intermediary.
- ⁸ The Fidelity Advisor Base Lending Rate (FABLR) is set at the discretion of Fidelity with reference to commercially recognized interest rates, industry conditions regarding the extension of margin credit, and general credit conditions. The FABLR base rate is posted in the Fidelity Rates screen in WealthscapeSM. Fed Funds target rate is subject to change based on market conditions. Fidelity will apply the Fed Funds target rate as published in the Wall Street Journal. Brokers Call is subject to change based on market conditions. Fidelity will apply the Broker Call rate as published in the Wall Street Journal.
- ⁹ An FX charge may apply when a dividend is paid or a reorganization event occurs on a foreign asset held in an account in USD.