

OPTION INFORMATION — CORPORATE AND INSTITUTIONAL ACCOUNTS; SOLE PROPRIETORSHIP ACCOUNTS; MERRILL LYNCH TRUST ACCOUNTS

This form is to be utilized for clients seeking approval to trade listed options on behalf of a corporate or institutional account (which may comprise a personal holding company, partnership, corporation, trusts or other entity types) or an account in the name of a sole proprietor. The information provided will be used in conjunction with additional profile information already on file. Please ensure that all sections are complete and accurate prior to signing. **The terms and conditions of the Standard Option Agreement on the reverse side/second page of this form constitute a part of this form.**

Account number	Account title
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The investment experience section applies to the person(s) authorized to exercise investment decisions and place trades on behalf of the entity or business.

Is the client a Qualified Institutional Buyer (QIB)? (Pursuant to SEC Rule 144A) <input type="checkbox"/> Yes <input type="checkbox"/> No If not, please complete the following: Total annual income (from all sources) \$ _____ Total liquid assets \$ _____ Total net worth \$ _____	Retirement account <input type="checkbox"/> Yes <input type="checkbox"/> No Power of attorney <input type="checkbox"/> Yes <input type="checkbox"/> No Name: _____	Prior trading activity (check one) <input type="checkbox"/> None <input type="checkbox"/> Seldom <input type="checkbox"/> Moderate <input type="checkbox"/> Active
Options investment objectives (check all that apply) <input type="checkbox"/> Income <input type="checkbox"/> Hedging <input type="checkbox"/> Speculation	Time horizon (check one) <input type="checkbox"/> 0–1 years <input type="checkbox"/> 1–5 years <input type="checkbox"/> 5–10 years <input type="checkbox"/> 10+ years	Investment experience (complete all that apply) <input type="checkbox"/> Options # Years _____ <input type="checkbox"/> Indices # Years _____ <input type="checkbox"/> Stocks/Equities # Years _____ <input type="checkbox"/> Commodities # Years _____ <input type="checkbox"/> Bonds # Years _____ <input type="checkbox"/> Margin # Years _____
	Liquidity needs (check one) <input type="checkbox"/> No need <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> All assets must be liquid	

Definitions	Investment objective(s) should be:	Client-requested strategies	Equity: (check all that apply)	Index: (check all that apply)	Equity: (ROP Approvals – Internal Use Only)	Index: (ROP Approvals – Internal Use Only)
Income: Seek preservation of capital while generating income from investments Hedging: Seek to minimize potential loss of principal Speculation: Seek to maximize total return potential while taking on a higher degree of risk through investments in a broad spectrum of securities	Speculation	1 – Buy calls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Hedging and/or Speculation	2 – Buy puts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Income and/or Hedging	3 – Write covered calls	<input type="checkbox"/>	N/A	<input type="checkbox"/>	N/A
	Income and/or Speculation	4 – Write covered puts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Speculation	5 – Write uncovered calls*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (margin)	<input type="checkbox"/> (margin)
	Speculation	6 – Write uncovered puts*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (margin)	<input type="checkbox"/> (margin)
	Speculation	7 – Short combinations*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (margin)	<input type="checkbox"/> (margin)
	Speculation	8 – Spreads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (margin)	<input type="checkbox"/> (margin)

***(NOTE: For uncovered calls, uncovered puts and short combinations, please refer to the Special Statement for Uncovered Option Writers and acknowledgment below.)**

By signing this form, I acknowledge that I have received, read and understood, and agree to be bound by, all the terms and conditions of the Standard Option Agreement (including paragraph 9 as to arbitration of any disputes) on the following pages of this form. I ALSO ACKNOWLEDGE RECEIVING AND REVIEWING THE OPTIONS CLEARING CORPORATION PUBLICATION ENTITLED "CHARACTERISTICS AND RISKS OF STANDARDIZED OPTIONS," AND AM AWARE OF THE SPECIAL RISKS ATTENDANT TO OPTIONS TRADING. I AM AUTHORIZED TO COMPLETE AND SIGN THIS FORM ON BEHALF OF THE ENTITY OR BUSINESS NAMED ABOVE, AND I REPRESENT AND AGREE THAT THE STATEMENTS CONTAINED ON THIS FORM ARE ACCURATE.

For accounts with more than 2 owners/authorized individuals, an additional application must be completed

Name, title and signature of authorized individual Date signed

Name, title and signature of authorized individual Date signed

SPECIAL STATEMENT FOR UNCOVERED OPTIONS WRITERS

There are special risks associated with uncovered option writing, which expose the investor to potentially significant losses. Therefore, this type of strategy may not be suitable for all customers approved for options transactions. The potential loss of uncovered call option writing is unlimited. The writer of an uncovered call is in an extremely risky position, and must understand that he/she may incur large losses if the value of the underlying instrument increases above the exercise price. As with writing uncovered calls, the risk of writing uncovered puts options is substantial. The writer of an uncovered put option bears a risk of loss if the value of the underlying instrument declines below the exercise price. Such loss could be substantial if there is a significant decline in the value of the underlying instrument. Uncovered option writing is thus suitable only for the knowledgeable investor who understands the risks, has the financial capacity and the willingness to incur potentially substantial losses, and has sufficient liquid assets to meet applicable margin requirements. In this regard, if the value of the underlying instrument moves against an uncovered writer's options positions, MLPF&S may request additional margin payments, and MLPF&S may liquidate stock or option positions in the investor's account with little or no prior notice in accordance with the investor's margin agreement. For combination and/or straddle writing, where the investor writes both a put and a call on the same underlying instrument, the potential risk is unlimited. If a secondary market in options were to become unavailable, investors could not engage in closing transactions, and an option writer would remain obligated until expiration or assignment. The writer of an American-style option is subject to being assigned an exercise at any time after he has written the option until the option expires. By contrast, the writer of a European-style option is subject to exercise assignment only during the exercise period. I understand this special statement for uncovered option writers is not intended to enumerate all the risks entailed in writing uncovered options. **NOTE:** It is expected that you will read the booklet entitled "Characteristics and Risks of Standardized Options" available from your financial advisor. In particular, your attention is directed to the chapter entitled "Principal Risks of Options Positions."

SPECIAL STATEMENT FOR UNCOVERED OPTION WRITERS ACKNOWLEDGMENT

Name, title and signature of authorized individual Date signed

Name, title and signature of authorized individual Date signed

INTERNAL USE ONLY

Financial Advisor name _____ Financial Advisor signature _____ Date signed _____

OMT/ROP name _____ OMT/ROP signature _____ Date signed _____

Date Options Risk Booklet was provided to client _____

Standard Option Agreement

INTRODUCTION: This Standard Option Agreement ("Agreement") contains the terms governing option trading at MLPF&S. I will read this Agreement and keep it for my records because I know that by completing and signing the form on the prior page, I am agreeing to the terms and conditions of this Agreement as set forth below.

DEFINITIONS: In this Agreement, "I," "me," "my," or "account holder" means each person who signs this Agreement. "You," "your," or "MLPF&S" means Merrill Lynch, Pierce, Fenner & Smith Incorporated.

MLPF&S is a registered broker-dealer and a wholly owned subsidiary of Bank of America Corporation. **MLPF&S is not a Bank. Investments made available through MLPF&S are not guaranteed by any bank, are not insured by the Federal Deposit Insurance Corporation (FDIC), and may lose value.**

In connection with any transaction by you on my behalf for the purchase and sale of put and call options, I agree as follows:

1. All transactions shall be subject to the constitution, rules, regulations, customs, and usage of the Exchange, or market and its clearing house, if any, where executed. I further agree that I will not, either alone or in concert with others violate the position or exercise limits which the Exchange or marketplace where executed, may establish from time to time as set forth in the booklet "Characteristics and Risks of Standardized Options."
 2. In the case of an option sold or written by me in a cash account:
 - a) With respect to a call option which if exercised against me will require the delivery of securities sold: I will keep such securities in my account with you until the expiration of the option period, and will not sell or withdraw such securities. If the option is exercised, you may deliver such securities to the purchaser without previous notice to me.
 - b) With respect to any put option which if exercised against me will require payment for securities purchased: I will keep in my account sufficient funds for such payment until the expiration of the option period, and will not withdraw such funds or utilize them for any purpose. If the option is exercised, you may use such funds for the purchase of such securities without previous notice to me.
 3. Any securities and funds held by you in any account of mine with you shall be held by you as security for the performance by me of my obligations to you under this Agreement.
 4. As option transactions involve a high degree of risk, I understand that:
 - a) I should not purchase an option unless I am able to sustain a loss of the premium and transaction costs. Furthermore, if the long position on an option contract is in the money and not closed out prior to expiration, I may be further subject to the risk of being long the underlying equity position (in the case of calls) or short the underlying equity position (in the case of puts) on the opening following the expiration date. In addition, I should not write a call option unless I either own the underlying security (or a security convertible, exchangeable, or exercisable into such underlying security) or am able to sustain substantial financial losses, and that I should not write a put option unless I am able to sustain financial losses.
 - b) I may not be able to close a position in the event that a secondary market in the option ceases to exist or the listing exchange restricts or suspends trading in the options.
 5. I have been advised of and agree to abide by your policies and federal regulations regarding margining of options and related transactions.
 6. I agree to advise you of any changes in my financial situation and needs, experience, or investment objective, or if any information provided by me in the form on the prior page is no longer accurate.
 7. In the event that a petition in bankruptcy or for an appointment of a receiver is filed by or against me, or if an attachment is levied against my accounts, or in the event of my death, you may, with respect to any pending options, take such steps, as you consider necessary to protect yourself against loss.
 8. Any agreement by me with you, whether previously or hereafter made applicable to any account of mine with you, shall also apply to such option transactions except to the extent which it conflicts with this agreement. In the event of a conflict, this Agreement shall control and where this is no conflict, each provision of each Agreement shall apply.
 9. This Agreement contains a pre-dispute 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 unless, in an eligible case, a joint request for an explained decision has been submitted by all parties to the panel at least 20 days prior to the first scheduled hearing date.
 - The panel of arbitrators may 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.
- I agree that all controversies that may arise between us shall be determined by arbitration. Such controversies include, but are not limited to, those involving any transaction in any of my accounts with MLPF&S, or the construction, performance or breach of any agreement between us, whether entered into or occurring prior, on or subsequent to the date hereof. Any arbitration pursuant to this provision shall be conducted only before the Financial Industry Regulatory Authority, Inc. (FINRA) or an arbitration facility provided by any other exchange of which MLPF&S is a member, and in accordance with its arbitration rules then in effect at FINRA or such other exchange. I may elect in the first instance whether arbitration shall be conducted before the FINRA or another exchange of which MLPF&S is a member, but if I fail to make such election by registered letter or telegram addressed to MLPF&S at the office where I maintain my account before the expiration of five days after receipt of a written request from MLPF&S to make such election, then MLPF&S may make such election. Judgment upon the award of the arbitrators may be entered in any court, state or federal, having jurisdiction. No person shall bring a putative or certified class action to arbitration, nor seek to enforce any pre-dispute 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: (i) the class certification is denied; or (ii) the class is decertified; or (iii) 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.
10. I understand that exercise assignment notices for option contracts are allocated among customers' short positions in the appropriate option series. MLPF&S will allocate exercise assignment notices on a random selection basis. A more detailed description of MLPF&S's allocation procedure is available upon request.
 11. Absent the written designation of an agent to transact business on my behalf (by a power of attorney received and reviewed by MLPF&S), I alone may make trading decisions in my account; however, unless I give specific instructions to the contrary, you may exercise discretion in the selection of the exchange or marketplace for the execution of multiply traded options. I understand that you reserve the right to take any necessary steps to protect yourself from potential exposure that you feel may be detrimental to you. These steps include but are not limited to the liquidation of existing positions.
 12. THIS AGREEMENT AND ITS ENFORCEMENT SHALL BE GOVERNED BY THE LAWS OF THE STATE OF NEW YORK.

13. Exercise. If I exercise a long option contracts, I agree to pay the full aggregate exercise price provided for by the option contracts. I understand that with respect to any option contracts that is by its terms exercisable prior to the expiration date of such option (i.e., an American-style option), you will accept exercise instructions for same-day execution on business days prior to 4:00 p.m. Eastern for index option contracts and prior to 5:00 p.m. Eastern for equity option contracts. I further understand that the Options Clearing Corporation (OCC) has established that all equity option contracts and index option contracts that are in-the-money by \$.01 or more at expiration will be automatically exercised upon expiration unless I submit contrary instructions to you prior to the applicable exercise cutoff times. Subject to any modifications made to the applicable cutoff times described below, you will accept exercise instructions with respect to the expiration date of an option contracts (including instructions to not exercise option contracts that would otherwise be automatically exercisable) until 5:30 p.m. Eastern on the applicable expiration date; provided that, with respect to any option contracts that has a Saturday or another non-business day expiration date, you will accept such exercise instructions only until 5:30 p.m. Eastern on the business day preceding the expiration date.

I acknowledge that the OCC and the national securities exchanges have established cutoff times for delivering exercise instructions, which such cutoff times may be modified from time to time by the OCC and the national securities exchanges, including with respect to one or more days as to which the OCC or a national securities exchange determines that a modified time for the close of trading of option contracts will occur. I understand that you may at your sole discretion require that exercise instructions be delivered prior to such cutoff times. I further understand that I will be required to provide instructions prior to the times specified in the preceding paragraph in cases where the cutoff times have been modified by the OCC, a national securities exchange or by you. I agree that it is my sole responsibility to (1) understand the applicable cutoff times for delivering exercise instructions on the option contracts in my account; and (2) deliver said instructions to you by the applicable cutoff times. My long option contracts may expire worthless if I don't deliver my instructions to you by the applicable exercise cutoff time, or any earlier time that you require the delivery of exercise instructions. You are not obligated to give me prior notice of option expiration dates or any cutoff times for delivering exercise instructions, and I have the sole responsibility for taking action to exercise an option contracts.

If I hold in my account long U.S. equity option contracts that are greater than or equal to \$.01 in-the-money, and you do not receive exercise instructions from me by the start of trading on the expiration date (or if the expiration date is a Saturday or another non-business day or a day as to which the OCC or a national securities exchange has indicated that a modified time for the close of trading of option contracts will occur, or the start of trading on the business day preceding the expiration date), you may at your discretion (but are not required to) take action. You may exercise valuable option contracts for my account, and in the absence of instructions from me, new positions you create in this way may be closed out at the opening of the next business day. In addition, to the extent that you determine that there are insufficient assets in my MLPF&S options account to cover the exercise price of an option contracts, you may place a market order to sell the long option position prior to the market close on the expiration date (or the business day prior to the expiration date in the case of a Saturday or other non-business day expiration date or an expiration date as to which the closing time for options trading has been modified). If you take any of the foregoing actions with respect to any option contracts, I acknowledge that you will not accept any subsequent instructions from me with respect to such option contracts. I further acknowledge that the actions described in this paragraph are in addition to, and do not in any way limit, any rights or actions that you are entitled to take under any account or margin agreement that I have executed with you.

You may exercise for cash settlement, long index option contracts that are greater than or equal to \$.01 in-the-money. If I do not instruct you to exercise a valuable option contracts by the prescribed time, and the right to exercise expires, I agree to waive and release you and your officers, employees and agents from any and all claims of damage or loss then or at a later time sustained as a result of an option contracts.

14. I am aware that index options allow investors or speculators to profit from, or hedge against overall market moves. Past events have, however, demonstrated that market moves can be both rapid and unexpected and may create a situation whereby severe losses could be incurred. By signing this Agreement, I acknowledge our understanding of the risks, and willingness to accept these risks.
15. I understand that you reserve the right to modify and/or revoke any or all levels of options trading for which my account had previously been approved should you deem this action necessary.
16. I represent and warrant that (i) the entity or business named on the form is authorized by its organizational or formation documents to transact in the option strategies contemplated by the form and this Agreement, (ii) I am authorized to complete and sign the form and this Agreement on behalf of such entity or business, (iii) I am authorized to exercise investment decisions and place trades on behalf of such entity or business, and (iv) the transactions contemplated by the form and this Agreement will not result in a breach of the organizational or formation documents of such entity or business or the laws governing such entity or agreements to which such entity or business is subject.