

STANDARD OPTIONS AGREEMENT

As a client ("we" or "our") of Deutsche Bank Securities Inc. ("you" or "your"), we hereby agree pursuant to this agreement ("Agreement") that in connection with any transaction executed, handled or endorsed by you on our behalf for the purchase or sale of puts, calls, or other forms of options for our account(s):

1. We will be bound by the constitutions, rules, regulations, customs and by-laws of The Options Clearing Corporation ("OCC"), the Financial Industry Regulatory Authority, exchange markets and their respective clearing houses and we have received, read and understand the brochure entitled "Characteristics and Risks of Standardized Options" (the "Risk Document") including, without limitation, the purposes and risks associated with options, the secondary market in options and such rules regarding exercise and positions limits, and agree not to violate such limits either alone or acting in concert with others.
2. We agree to pay to you: brokerage and commission charges as agreed upon between us and you, including without limitation, ticket and execution charges; premiums on any option purchased by you on our behalf; any fees, fines, or other charges imposed by any exchange, clearing organization, governmental agency, self-regulatory organization, or any court of competent jurisdiction on any account opened or transaction executed for us; the amount of any trading loss that may result from transactions executed by you on our behalf; on your demand, any debt balance owing with respect to our account(s), and interest on any such debit balances at the rates then charged by you, together with your costs and reasonable attorneys' fees incurred in collecting any such debit balance; and any applicable taxes on any of the foregoing.
3. We represent and warrant that (i) options trading is suitable for us in light of our investment objectives, financial situation, needs, experience and knowledge (whether directly or through our representatives and advisors); (ii) we understand and acknowledge that options trading involves a high degree of risk (including without limitation the risks described in the Risk Document); (iii) we understand that you are relying upon these representations and warranties and the financial and other information that we have provided or will provide to you; (iv) we are aware that on certain trading days, trading may cease with a resultant financial disadvantage to itself; and (v) we are willing and able to carry and bear all the financial risks attendant to options trading.
4. We agree to advise you promptly in writing of any material changes in our investment objectives, financial situation, assumption of risk, and background information, or other information insofar as such changes relate to our suitability for options transactions.
5. In the event that we or our clearing broker dispute or deny knowledge of a transaction, or if our clearing broker does not, for any reason, accept a transaction executed by you and transmitted to the clearing broker (through the OCC or otherwise), then you shall, at your option, be entitled to: (a) close out the transaction by such sale, purchase, disposal or other cancellation transaction as you may determine, whether on the market, by private contract or any other appropriate method; (b) transfer our transactions to another clearing broker as instructed by us; or (c) clear our transaction in accordance with your standard terms. We will be solely responsible for any fees or losses associated with such actions. Where practicable, you shall provide us with prior notice of such actions. We further understand that margin and other requirements exist in connection with certain options and options transactions. We also hereby authorize and instruct you, on our behalf, to submit to the OCC, from time to time, as you deem appropriate or advisable, in your sole discretion, instructions pursuant to OCC Rule 611 to designate segregated long option positions held in your OCC customer account for us to be released from segregation and netted with our offsetting short option position in the same option series.
6. We understand the style of an option refers generally to when that option is exercisable, and that, specifically, (i) an American-style option is an option that may be exercised on any regular business day prior to its expiration, (ii) a

European-style option is an option that may be exercised only on a specified exercise date (or expiration date) or during a specified time period before the option expires, and (iii) a capped option is an option that is automatically exercised prior to expiration if the marketplace on which the option trades determines that the value of the underlying interest at a specified time has reached the "cap price" for the option.

7. We hereby authorize you in your sole discretion and without prior notification to us, should you deem it necessary for your protection, to take such action, including, without limitation, to buy, sell or sell short risk, puts, calls, or other forms of options and/or to buy, sell, or sell short any part or all of the underlying securities represented by options. We will reimburse any and all expenses, including, but not limited to reasonable attorneys' fees and disbursements, incurred by you in connection with such transactions.

8. You are under no obligation to convey to us any information relating to the underlying securities covered by an option or any information relating to options. Any information, advice or notification in respect to any option or any underlying securities that you may give us shall not be construed as creating an implied agreement or course of dealing between us and shall not impair the provisions of this or any other agreement between us.

9. Absent the written designation of an agent to transact business on our behalf (power of attorney), we alone make trading decisions relative to our account(s); however, unless we give specific instructions to the contrary, you may exercise discretion in the selection of the exchange or market for the execution of options traded on more than one exchange or market.

10. All monies, securities, or other property, together with, in each case, all proceeds of the sale thereof ("property") represented by an entry on our account(s), or under your direction or any affiliate acting as your agent in connection with this Agreement, are hereby pledged to you and shall be subject to a continuing first lien and first priority perfected security interest in your favor to secure all of our obligations, indebtedness and liabilities to you (whether actual or contingent). Except as otherwise agreed by you, no part of the property shall be subject to, nor shall we create or purport to create thereover, any pledge, hypothecation, assignment or any other form of security interest.

11. We consent to your use of automated systems or service bureaus in conjunction with our account(s), including automated order entry and execution; recordkeeping, reporting and risk management (collectively, "Automated Systems"). We understand that the use of Automated Systems entails risks, including, but not limited to, interruption of service, system or communications failure, delays in service, and errors in the design or functioning of such Automated Systems (collectively, a "System Failure") that could cause substantial damage, expense or liability to us. YOU AND YOUR AFFILIATES MAKE NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, DESIGN, FUNCTIONALITY, OPERATION, TITLE OR NON-INFRINGEMENT OF ANY AUTOMATED SYSTEM, AND MAKE NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, TITLE AND/OR NON-INFRINGEMENT, AND SPECIFICALLY DISCLAIM ANY IMPLIED WARRANTY WITH RESPECT THERETO. WITHOUT LIMITING THE FOREGOING, YOU AND YOUR AFFILIATES EXPRESSLY DISCLAIM ANY REPRESENTATION THAT ANY AUTOMATED SYSTEM WILL OPERATE UNINTERRUPTED OR BE ERROR-FREE.

12. Notwithstanding anything herein to the contrary, you shall have no responsibility or liability to us hereunder (i) in connection with the performance or non-performance by any exchange, market, clearing organization, clearing firm or other third party (including banks) of its obligations in respect of any options or other property of mine; (ii) as a result of any recommendation or advice made or given by a representative of yours, whether or not made or given at our request;

AUG15