

FOR INTERNAL OFFICE USE ONLY: ✓ N4G023804, N4G025098, N4G025106, N4G025114, N4G023812
Applicable Account No(s) N4G024968, N4G024950, N4G024935, N4G025403, N4G025080, N4G026161

Authorization/Power of Attorney

For Natural/Individual Persons for use in connection with Brokerage Accounts and/or Retirement Accounts with Deutsche Bank Securities Inc.

This Authorization/Power of Attorney constitutes a non-durable limited power of attorney, designed to give a person or persons designated by you either (a) limited authority over your Account(s) or (b) full authority over your Account(s) as set forth below.

NOTE: UNDER NEW YORK LAW, THE FOLLOWING DISCLOSURE IS REQUIRED TO BE INCLUDED, VERBATIM, IN EVERY POWER OF ATTORNEY.

CAUTION TO THE PRINCIPAL: Your Power of Attorney is an important document. As the "Principal," you give the person whom you choose (your "agent") authority to spend your money and sell or dispose of your property during your lifetime without telling you. You do not lose your authority to act even though you have given your agent similar authority. When your agent exercises this authority, he or she must act according to any instructions you have provided or, when there are no specific instructions, in your best interest. "Important Information for the Agent" at the end of this document describes your agent's responsibilities. Your agent can act on your behalf only after signing the Power of Attorney before a notary public.

You can request information from your agent at any time. If you are revoking a prior Power of Attorney by executing this Power of Attorney, you should provide written notice of the revocation to your prior agent(s) and to the financial institutions where your accounts are located. You can revoke or terminate your Power of Attorney at any time for any reason as long as you are of sound mind. If you are no longer of sound mind, a court can remove an agent for acting improperly. Your agent cannot make health care decisions for you. You may execute a "Health Care Proxy" to do this. The law governing Powers of Attorney is contained in the New York General Obligations Law, Article 5, Title 15. This law is available at a law library, or online through the New York State Senate or Assembly websites, www.senate.state.ny.us or www.assembly.state.ny.us.

If there is anything in this document that you do not understand, you should consult with your lawyer.

Authority

The undersigned Principal (the "Undersigned" or "Principal") hereby appoints:

Darren Indyke as the Undersigned's agent(s) and attorney(s) in fact ["Agent(s)"] to act INDIVIDUALLY with respect to any and all accounts in the Undersigned's name ["Account(s)"], held individually or jointly¹ with Deutsche Bank Securities Inc. (DBSI), as well as individual retirement accounts (IRAs) held for the benefit of the Undersigned, with the authority to direct DBSI to accept instructions from the Agent(s) as set forth below, in each case in accordance with DBSI's terms and conditions for the Undersigned's account and risk, and in the Undersigned's names, or number(s) on DBSI's books. Agent(s) must exercise the authority granted herein pursuant to the Undersigned's instructions, or otherwise for purposes which the Agent(s) reasonably deem(s) to be in the Undersigned's best interest.

Principal agrees that DBSI shall not be obligated to proceed with instructions that are inconsistent with the terms of any agreements governing the Account(s), or that would violate any applicable laws, rules or regulations, or that would be otherwise limited by the account type or documentation on file.

The Undersigned authorizes the Agent(s) to make inquiries on the Account(s) (including transaction balances and holdings) and to receive copies of account statements and transaction confirmations upon the Agent(s)'s request. DBSI retains the right in its sole discretion to refuse to accept instructions by the Agent(s) to change the official mailing address assigned to the Undersigned's Account(s) or any beneficiary designations.

NOTE: If you want to authorize your Agent(s) to make gifts of your money or assets or other property held in the Account(s) during your lifetime, without restriction, to any one or more persons, including the Agent(s) himself, herself or themselves, you will need to execute a Statutory Major Gifts Rider. Giving such a power to your Agent(s) grants your Agent(s) authority to take actions which could significantly reduce your property or change how your property is distributed at death. DBSI shall not be responsible to monitor whether any payments or transfers are gifts and/or require the execution of a Statutory Major Gifts Rider.

¹ For joint accounts, all the authorized account holders must execute this form.

Deutsche Bank Securities Inc., a subsidiary of Deutsche Bank AG, conducts investment banking and securities activities in the United States.