

BLOOMBERG FINANCE LP
LEI-SUPPORT
731 LEXINGTON AVENUE
NEW YORK, NY 10022

AUTHORIZING COMPANY
PO BOX OR STREET
CITY, POSTAL / ZIP CODE AND COUNTRY

Third-Party Designate Authorization Letter

To whom it may concern

We authorize the following Legal Entity and/or persons acting on behalf of said Legal Entity to apply for and/or manage Legal Entity Identifiers on our behalf. In addition, they are authorized to issue the declarations of intent necessary for these purposes and to perform all duties required.

LEGAL NAME OF AUTHORIZED ENTITY
ADDRESS OF AUTHORIZED ENTITY

This authorization also applies to all our direct and indirect subsidiaries and/or the fund assets under their management as well as to those companies/funds listed.

We certify that we are authorized to grant to the above entity permission as described above.
Bloomberg may require written evidence of such authorization upon request

FIRST NAME, LAST NAME (PLEASE PRINT)	DATE
SIGNATURE, POSITION	MANAGEMENT BOARD MEMBER