

.LP. Morgan Account Application Package for  
SOUTHERN TRUST COMPANY INC

A. Forms to Complete

Please add an missing information to the following fornia andlithial any changes you make. After you sign the, them In the self-addressed envelope provided arta the contact listed ki'Section D.

3PMorgan Account Application Form

1PMorgan Account Suitability Form

JPMorgan Account Over The Counter Derivatives Approval Form

31"Morgan Exchange Traded Options Agreement

31,4organ Dodd Frank Regulated Derivatives

IPMorgan Standing Instructions (Cash Management) J.P.Morgan

Pate: DUNE 20. aua

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B. Documents we need from you

When you return the completed application, please Include the most recent version of the following documents:

C. Reference Documents

Please read and keep these enclosed documents for your records:

Fee Schedule(s)

Depositing Securities & Cash Into 1PMorgan Account

31"Morgan Privacy Policy

General Terms for Accounts and Services

Occ Booklet -Characteristics Et Risks of Standardized Options

Occ Nov 2012 Supplement

Risk Disclosure

D. Contacts

If you have any questions concerning this package, please call:

Name: VALENCIA DOYLE

Address. 395 NORTH SERVICE RD

City: MELVILLE State: NEW YORK

Phone: [REDACTED] Fax: [REDACTED] Zip: 11747

E. Important information about procedures for opening a new account

To help the government fight the rum:Mg of terrorism and money laundering activities, Federal law requires all financial institutions

to obtain, verify and record Information that Identifies each person who opens an account.

What this means for you: When you open an account, we will ask for your name, address, date of birth and tax Identification number

for U.S. persons or passport number, country of issuance and expiration date for non-U.S. persons. In order to demonstrate that we

have confirmed your identity, we will ask for a copy of your driver's license or other identifying documents such as a passport,

Military ID or other government issued document.

The following notice Is required by the Unlawful Internet Gambling Enforcement Act of 2006 and applies to all commercial clients.

JPMorgan Chase Bank, N.A. strictly prohibits the use of accounts to conduct transactions, Including but not limited to the receipt

of funds through electronic funds transfer, by check, draft, or any similar insotiment, that are related, directly or Indirectly, to

unlawful internet gambling.  
IP. Morgan Use Only Title SPN CAS  
Banker/Investor 03/10 US952  
J.P. Morgan Account Suitability Supplement P Morgan  
A. Account Information (required for )PMS Brokerage and Investment  
Management accounts  
Title of Account: SOUTHERN TRUST COMPANY, INC  
Personal Accounts  
 Individual  
 Community Property  
Primary Account Owner:  
Number of Dependents  Joint (3TWR0S/LAWROS for TX residents)  
 Transfer on Death (T00)  
Name of Employer  Tenants in Common  
 un4A/UGMA  
an/  Tenants by the Entirety  
 rRA  
Total Net Worth excl.  
Owner Annual Income (5) Liquid Net Worth (5) primary residence (5)  
Joint Account Owner:  
Annual Income (\$)  
Entity Accounts  
 Corporation  Partnership  pic/Pric (applicable to international entities  
only)  Sole PrierletorShiP  
 Foundation  Endowment  
Annual Income (s; 5,000,000  Limited Liability Company  Limited Liability  
Partnership  Other Non Profit  
Liquid Net Worth (5) 25,000,000 Total Net Worth (5) 30,000,000  
Trust/Estate Accounts  
 TruSt  Estate  Endowment  Foundation  ERISA Plan  Other Charitable  
Trust  Other  
Trust/Estate Liquid Net Worth (5) Trust/Estate Total Net Worth (\$)  
B. Affiliations (required for JPMS Brokerage and Investment Management  
accounts)  
Applicable to account owners or authorized signers or trustees and  
executors.  
I, my spouse, or Immediate family member who receives material support from  
me or gives material support to me is, or has been, a  
director, corporate officer, control person, affiliate or an owner of 10% of  
a public corporation's stock:  Yes  No  
If yes, name of person Name of corporation  
yes, is the corporation traded publicly on a U.S. Stock exchange?  Yes  No  
I, my spouse, immediate family member who receives material support from me  
or gives material support to me, or an individual  
controlling the account is employed by or associated with an FCM, broker -  
dealer, a futures or securities exchange, the NFA or FINftA,  
the CFTC, SEC or the MSRB:  Yes  No  
If yes, name of employer Name of employee/assoc.  
Account holder or immediate family member or another household member is an  
employee of a financial institution or insurance

company:  Yes ( Z) No

If yes', name of institution Name of employee/assoc.

•If Yes, Broker -Dealer and FINRA member financial institutions must provide written permission on corporate letterhead to open a Brokerage, Margin, or Investment Management account.

C. Brokerage Account Information (required for )PMS Brokerage accounts only) Investment Profile

My objective for this account (check one):  Capital Preservation  Income Generation  Capital Appreciation

Speculative or aggressive Investments that may generate higher returns but may be riskier than other Investments because I may

lose all or part of my investment (check one):  Are permitted In this account  Are not permitted In this account

Primary source of Income:  Investments  Compensation  Pension  Other

Please indicate the number of years of personal trading experience for the authorized party(s) on this account:

Hedge Funds/

Emerging Private Futures  Mutual

Stocks Bonds

FX  Structured

Options  Markets Placements\_\_ Commodities Funds\_\_

I currently have brokerage accounts with the following firms: NO

Approximate value of investable assets held away from the firm? \$ 1,000,000

Those assets are invested in the following Asset Classes:  Equities  Fixed Income & Cash  Alternative Investments  Other

Most of those assets are Invested in:  Equities  Fixed Income & Cash  Alternative Investments  Other

Check only one selection for Investment Time Horizon, Primary Liquidity Needs, and Secondary Liquidity Needs

Investment Time Horizon:  Less than 1 year  1-5 years  6-10 years  Greater than 10 years

Primary Liquidity Needs:

Secondary Liquidity Needs:  Short Term

Short Term  Medium Term

Medium Term  Long Term

Long Term  None

None

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Page 1 of 2 SOUTHERN TRUST COMPANY, INC Title 239150 SPN

NELSON  JUSTIN Banker/Investor  222035463 CAS

3/13 1522

J.P. Morgan Account Suitability Supplement J.P. Morgan

C. Brokerage Account Information (cont.)

Large Trader Identification Number\* ("LTID")

LTID - If applicable, enter LTID number here;

\*Large Trader definition is explained in paragraph 16 of the Brokerage Account Agreement

custodian (if applicable)

J.P. Morgan  SVB  N.A.

Margin Account Requested'

Yes  NO  Other (please specify)

Options Trading (required for exchange traded options, over-the-counter traded options or structured products)

Yes (a Derivatives Approval form will be required) 0 No

Personal Accounts Only

Marital Status of Primary Account Owner: ['Married 0Single ['Divorced 0Widowed

Spouse Information:

Name Name of Employer

Occupation/Position Annual income

Non -Individual Accounts On ty

If applicable, enter Legal Entity Identifier here:

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D. Agreement

I have read, understand and agree to this application and the General Terms for Accounts and Services and the Account Agreement

(in each case, our "Agreement"). The Agreement, with amendments from time to time, generally will apply to any future account,

product or service that we agree upon orally, electronically or otherwise, although certain accounts, products or service-. may require

additional documentation. This Agreement (including this application) Is a security agreement under Article 9 of the Uniform

Commercial Code, as amended from time to time. I have read and consent to the terms of IP. Morgan's Private Bank and Private

Wealth Management Privacy Notice, Including the manner in which my Information is received and used, and that upon opening an

account with IP. Morgan's Private Bank or Private Wealth Management (together described as the "Private Banking Business- In the

Notice) my information will be used by one or more members of the Private Banking Business' family of companies (as listed in the

Notice) in order to make available to me the products and services available through the Private Banking Business,

E. Pre -dispute Arbitration (This applies to Margin and Brokerage, but not Investment Management Accounts.)

By signing below, I acknowledge agreement to arbitrate any controversies arising out of the Margin or Brokerage

Agreements with J.P. Morgan Securities LLC, in accordance with paragraph 11 of the Brokerage Agreement that I have

received. Paragraph 11 is located in the Agreements for Accounts and Services Offered Through 3.P. Morgan Securities

LLC and J.P. Morgan Entities which is contained within the Combined Terms and Conditions and within the International

General Terms for Accounts and Services AccountAgreements.

F. Signature

All accountholders are required to sign below.—Please note: any changes not initialed by you, or any information that remains

missing on these forms will impact your account and may require us to send the application back to you.

Signature to I .-sit3

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Signature (Accountholder) Date Print Name

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Page 2 of 2 SOUTHERN TRUST COMPANY, INC Title 239150 SPN

NELSON 0 JUSTIN Banker/Investor 0222035463 CAS

3/13 1522

Derivative and Foreign Exchange (FX)/Commodity Transactions  
Regulated by the Dodd -Frank Wall Street Reform and Consumer  
Protection Act (the "Dodd -Frank Act") J.P Morgan

A. Agreement for All Transactions

The following provisions apply to all clients who enter into (a) foreign exchange swaps or deliverable foreign exchange or commodity forwards (collectively, 'Exempt Transactions') or (b) swaps (other than foreign exchange swaps but otherwise without regard to underlier), equity index derivatives, commodity derivatives, and foreign exchange transactions (other than Exempt Transactions) (collectively, "Derivatives")

1. If the Account is a joint account, the term 'client' shall refer to each joint accountholder. By signing below, each Joint accountholder is making the representations in Paragraph 3 separately from the other joint accountholder based on his, her, or its separate transactions and activities,

2. The client represents, warrants and certifies to J.P. Morgan on a continuing basis (which, for avoidance of doubt, Includes each time that IP. Morgan executes or dears an Exempt Transaction or a Derivative) that ee, she or It Is an "Eligible Oceanid Participant," as that term Is defined In the Commodity Exchange Act, by reason of the following (Check one):

The client is an individual acting for his or her own aunt with investable assets In excess of (I) \$10,000,000; or (Ii) \$5,000,000 and who will be entering Into such transactions In order to manage the risk associated with an asset owned or liability incurred, or reasonably likely to be owned or incurred, by the client.

'Investable assets may net always Include securities of companies that are privately held and which are not publicly traded. If you are making this representation on the basis of your ownership of such securities, please contact IP, Morgan.

The client Is a corporation, partnership, proprietorship, organization, trust or other entity acting for Its own account that (I) has total assets exceeding \$10,000,000; (II) that does not have total assets exceeding \$10,000,000 but its obligations under the subject transactions will be guaranteed or otherwise supported by a letter of credit, keepwell, support, or Other agreement by an entity that is an eligible contract participant; or (ill) that (a) (1) has a net worth exceeding \$1,000,000 and (2) will enter Into transactions lo connection with the conduct of the entity's business, or to manage the risk associated with an asset or liability owned or incurred or reasonably likely to be owned or Incurred by the entity In the conduct of the endty's business, or (b)(1) does not have a net worth exceeding \$1,000,000; (2) lei enter Into transactions (other than security -based swaps, security -based swap agreements, or mixed swaps) in connection with the conduct of the entity's business or to manage the risk associated with

an asset or liability owned or incurred, or reasonably likely to be owned or incurred, by the entity in the conduct of the entity's business; and (3) all the owners of the entity are individuals with investable assets in excess of \$10,000,000 or entities with total assets exceeding \$10,000,000, Other. Please consult J.P. Morgan concerning additional documentation that will be required.

The client represents, warrants and certifies to J.P. Morgan on a continuing basis (which, for avoidance of doubt, includes each time that J.P. Morgan executes or clears an Exempt Transaction or a Derivative transaction) that:

(a) In the preceding 12 months, the client has not executed Derivatives transactions in a gross notional amount greater than \$8 billion, or, if the client has executed Derivatives transactions in such amount, the client does not (i) hold itself out as a dealer in Derivatives; (ii) make a market in Derivatives; (iii) regularly enter into Derivatives with counterparties as an ordinary course of business for its own account; or (iv) engage in activity causing it to be commonly known in the trade as a dealer or market maker in Derivatives.

(b)(i) The client does not have express arrangements with its Derivatives counterparties that permit it to maintain a total uncollateralized exposure of more than \$100 million to all such counterparties, and (ii) the client does not maintain notional Derivatives positions of more than \$2 billion in any major category of Derivatives, or more than \$4 billion in aggregate Derivatives.

(c) The client is not a commodity pool, an investment fund that relies on certain exemptions from registration under the U.S. Investment Company Act of 1940, or an employee benefit plan under the U.S. Employee Retirement Income Security Program, nor is the client primarily engaged in activities that are in the business of banking or that are financial in nature under U.S. banking laws.

The client is unable to make one or more of the representations, warranties and certifications in this Paragraph 3. Such clients should consult J.P. Morgan about additional documentation that will be required.

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1 of 3 Title

Banker/Investor SPN CAS

6/13 1072

Derivative and Foreign Exchange (FX) Commodity Transactions  
Regulated by the Dodd-Frank Wall Street Reform and Consumer  
Protection Act (the "Dodd-Frank Act") J.P.Morgan

A. Agreement for All Transactions (cont.)

4. Special Entity Status (non-individual accounts only)

The client represents, warrants and certifies to J.P. Morgan on a continuing basis (which, for avoidance of doubt, includes each time that J.P. Morgan executes or clears an Exempt Transaction or a Derivative transaction) that it is not considered a Special Entity for

purposes of the 00=1 -Frank Act. Prior to completing this Section 4, the client should perform appropriate due diligence and, if necessary, consult with legal counsel, in regards to these representations, warranties and certifications.

(a) The client is the following entity type (check one):

Er A Special Entity', as defined below.

A tax-exempt organization filing under Internal Revenue Code Section 501(c)-(3), which is not an endowment.

S. Neither a Special Entity nor 3 tax-exempt organization Ming under Internal Revenue Code Section 501(c)(3).

(b) Was the client created (check one):

IT By a public official, entity, or authority through an action pursuant to such person's official capacity or deectly or Indirectly

, through authority or direction of law (e.g. through legislation, regulation, court order, or other similar authority)?

By private individuals or entities, unrelated to a public official, entity, or authority?

(C) Is any person responsible for or otherwise holding direct or Indirect influence regarding the clients selection of LIP. Morgan to act

as a Derivatives counterparty and/or to provide a Derivatives Account (including, but not limited to, the client's directors,

management, Investment managers, or other authorized persons or employees holding such responsibility or influence);

E A public official or public employee acting In his or her official capacity or directly or indirectly selected or appointed by one or

more public officials In their official capacity or by Individuals directly or indirectly selected or appointed by one or more public

{-../offidats in their offidal capacity?

• None of the client's employees or management or any other person holding direct or Indirect influence over the client's

selection of J.P. Morgan In regards to any Derivatives services or accounts are subject to public integrity rules/codes of ethics

or reporting requirements or selected or appointed by others subject to such rules.

'A Spedal Entity is any of the following: .

- A Federal agency; .

- A State, State agency, city, county, municipality, other poetical subdivision of a state, or any Instrumentality, department, or a corporation of or established by a state or political subdivision of a state;

- An employee benefit plan subject to Tele lot the Employee Retirement Income Security Act of 1974 (29 U.S.C. 1002);

- An endowment, Including an endowment that is an organization described In Section 501(c)(3) of the Internal Revenue Code of 1986

(26 U.S.C. 501(c)(3));

Or

- An employee benefit plan defined In Section 3 of the Employee Retirement Income Security Act of 1974 (29 U.S.C. 1002), not

otherwise defined as a Special Entity, that elects to be a Special Entity by notifying a swap dealer or major swap participant of its

election prior to entering into a swap with the particular swap dealer or major swap participant.

The representations, warranties and certifications contained in this Derivative and Fe/Commodity 'Transactions Regulated by the Dodd-Frank Act' agreement (this 'Agreement') should be read with the JPM August 2012 Bilateral OF Agreement, is amended, supplemented or replaced from time to time to reflect changes in applicable law, regulation and industry standards. The client acknowledges and agrees that (i) the information set forth in this Agreement is true and accurate as of the date of the execution and delivery of this Agreement; (ii) in the event of any material change to the information set forth in this Agreement, the client will contact LP. Morgan and update the information in a timely manner; (iii) the information set forth in this Agreement is, and shall be considered in all respects, Relevant Information as that term is defined in the JPM August 2012 Bilateral OF Agreement; and (iv) J.P. Morgan will rely on the information set forth in this Agreement in evaluating whether to enter into Derivatives with the client. Notwithstanding any provision set forth in the ISDA Trades Agreement or the ISDA Documentation (each defined below), any information given hereunder which is incorrect or misleading in any material respect or which is rendered incorrect or misleading by the failure of the client to update this Agreement on a timely basis may give rise to termination and/or reversal by the Bank of any Derivatives transaction entered into in reliance on the representations, warranties and certifications contained in this Agreement.

6. Depending on the types of transactions done by the client, J.P. Morgan may require the client to enter into one or more of the following additional agreements: the JPM August 2012 Bilateral OF Agreement, the FIA-ISDA Cleared Derivatives Execution Agreement, the Client Agreement, the Cleared Derivatives Transaction Addendum, and any applicable Schedules (the foregoing agreements shall be referred to collectively as the 'Cleared Trades Agreement') and/or agreements promulgated by the International Swaps and Derivatives Association, Inc. (ISDA), as supplemented, modified and amended by the applicable counterparty from time to time (the foregoing ISDA agreements, related supplements, modifications and amendments plus the JPM August 2012 Bilateral OF Agreement shall be referred to collectively as the 'ISDA Documentation'). The required agreements may change in the future to reflect changes in applicable law, regulation and industry standards.

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2 of 5 Title SPN CAS

Banker/Investor 6/13 1072

Derivative and Foreign Exchange (FX) /Commodity Transactions Regulated by the Dodd -Frank Wall Street Reform and Consumer Protection Act (the "Dodd -Frank Act") JP Morgan

A. Agreement for All Transactions (cont.)

7. The client understands and agrees that all Exempt Transactions and Derivatives transactions will be effected in accordance with the Internal rules and policies of J.P. Morgan, the applicable rules,

regulations, customs and usages of any exchange, market, derivatives clearing organization (DCO) or self-regulatory organization, and all applicable federal and state laws, rules and regulations, all of which are incorporated by reference into every transaction to the extent applicable to such transaction. The Dodd-Frank Act requires reporting of all Exempt Derivatives transactions, which may include, without limitation, the disclosure of trade information including a party's identity (by name, Legal Entity Identifier or otherwise) to a swap data repository and relevant regulators.

In connection with any Derivative executed or cleared for or on behalf of such client on any swap execution facility (SEF) or DCO, the client consents to the jurisdiction of such SEF and/or DCO and agrees to provide such SEF or DCO, their agents, and their service providers, access to all books and records, staff and other information necessary for monitoring and enforcement of SEF or DCO rules.

Client agrees to pay all settlement, clearing and related fees and charges imposed by J.P. Morgan or any SEF or DCO utilized in connection with Derivatives transactions.

DCOs require clients to have an external Identification number, known as a DTCC number, in order to facilitate dealing and reporting.

If the client already has a DTCC number, enter the DTCC number here:  
17. 1-0-

If the client does not have a DTCC number, the client hereby authorizes J.P. Morgan to obtain a DTCC number for the client.

B. The Dodd-Frank Act requires an identification number, known as a Legal Entity Identifier (LEI), to be assigned to legal entities. This will allow regulatory bodies to globally monitor market activity and financial risk in connection with transactions in certain OTC derivative products.

If applicable (non-individual accounts only), enter Legal Entity Identifier here:

.RIFETT:

In addition to any provision of the Cleared Trades Agreement or MD\* Documentation (as applicable) in respect of the manner of giving notices or other communications (collectively "Communications") relating to Exempt or Derivatives transactions, the client consents to receipt of Communications by means of electronic delivery in connection with all investments and Investment transactions in all Derivatives Accounts and brokerage accounts owned by the client at J.P. Morgan. Electronic delivery will generally consist of (i) the posting of Communications to a website that J.P. Morgan designates in an e-mail notice or otherwise designates in advance of such posting (a "Designated Website", which may be a third party website; and/or (ii) e-mail delivery of Communications to the client through the e-mail address below or, if the client previously authorized J.P. Morgan to deliver Communications electronically, to the e-mail address given to J.P. Morgan for such delivery. Morgan may elect to follow the posting of Communications with a transmission of an e-mail or other notice to the client that such Communications have been posted to the Designated Website and are ready to be viewed. J.P. Morgan shall have the sole discretion as to whether

to send a notice that a Communication has been posted to the Designated Website and some Communications may be posted without sending such notice. The client is responsible for checking all relevant Designated Websites for Communications periodically, and agrees that the posting of a Communication on a Designated Website constitutes delivery of such Communications to the client, regardless of whether such Communication is actually opened or reviewed, and regardless of whether or not a notice of the posting of the Communication is sent. Communications may be provided in an Adobe Acrobat\* Portable Document Format (PDF) file or a similar, common format.

Communications and e-mail notices may be sent to the client at the following e-mail address:

client@jpm.com

The consent contained in this Section 9 applies to the delivery of all Communications relating to investments generally and is not limited to Exempt Transactions or Derivatives Transactions or to transactions in the client's Derivatives

Account. By signing this Agreement, the client consents to receive electronic delivery of investment materials relating to any Investment or security including, but not limited to: equities (including IPOs); fixed income instruments; mutual funds; and alternative investments. Such materials will include, but are not limited to: prospectuses; offering circulars/memoranda; subscription agreements; IPO materials; capital call notices; pricing terms; and any other disclosures and information whatsoever required or permitted to be sent in relation to the client's investments or other matters. Such disclosures and information will include, but are not limited to trade confirmations and shareholder communications (proxy solicitation and voting materials, periodic reports, corporate actions, notices relating to class actions or bankruptcies, and other similar materials, information, or disclosures required to be transmitted pursuant to securities regulations and other applicable law of the United States and other jurisdictions, where applicable).

This list is not exclusive. By consenting to the electronic delivery of Communications relating to investments, the Client agrees that prior to making Investment decisions, the client will read and understand the Communications for the applicable Investment. The client agrees that if the client chooses to purchase the offered securities, the client has a full understanding of all of the terms, conditions and risks included in the Communications and assumes those terms, conditions and risks. The client acknowledges that Investments in securities are subject to risk of loss including the potential loss of some or all of the amount invested. Please consult J.P. Morgan for further information. This consent shall survive the termination of this Agreement in respect to all Communications. This consent may only be revoked concurrently with this Agreement by the client calling the client's J.P. Morgan Representative, requesting a revocation letter, and then executing and sending the revocation letter back to J.P. Morgan,

J.P. Morgan Use Only

3 of 5 Title SPN

Banker/Investor CAS

6/13 1072

Derivative and Foreign Exchange (FX) /Commodity Transactions

Regulated by the Dodd -Frank Wall Street Reform and Consumer

Protection Act (the "Dodd -Frank Act") J.P.Morgan

B. Agreement for Derivatives (not applicable to Exempt Transactions)

The following provisions apply only to clients who enter Into Derivatives

The client acknowledges and agrees that in order to enter into Derivatives,

a separate account ("Derivatives Itccounr) will be opened

and linked to the client's existing brokerage account The Dodd -Frank Act

requires certain Derivatives to be cleared.

The Derivatives Account will be govsnied by (a) to the extent that the

client enters into cleared DertvatiVes, the Cleared Trades

Agreement, and (b) to the extent that the client enters Into uncleared

Derivatives, the "ISDA Documentation." In the event of a

conflict between the provisions of this Agreement and the provisions of the

Cleared Trades Agreement or the ISDA Documentation (as

applicable), the provisions of the Cleared Trades Agreement or the ISDA

Documentation shall prevail,

The client's Derivatives Account will be for the purposes of

(ClieCkailiffi): (R";.speculation cHed9ing ;

The client acsnowledges and agrees that collateral relargInl must be posted  
in connection with Derivatives transactions in

accordance with the provisions of the Cleared Trades Agreement or ISDA  
Documentation, as applicable, as well as the policies of IP.

Morgan and the rules, regulations, customs and usages of any exchange,  
market, or DCO where a Derivatives transaction is cleared.

Initial Margin for uncleared trades may be held by an independent third -  
party custodian upon the client's request. In the event that

the dient establishes a facility for the purpose of borrowing to provide  
Margin, such facility will be governed by agreements other than

the Cleared Trades Agreement or the ISDA Documentation. In calculating  
Margin required for cleared Derivatives transactions, such

transactions will be netted as broadly and as frequently as allowed by the  
applicable DCO. Such netting will apply to trade and

position reporting as well as to Margin calculations.

3. P. Morgan Securities tIC (JPMS) is appointed as the client's agent, with  
full power arid authority to utilize any manual or electronic

execution, affirmation, confirmation, or delivery system for Derivatives In  
common use In the relevant market or markets For any

particular Derivative that JPMS determines to be appropriate under the  
circumstances in Its sole discretion.

Without limiting the foregoing:

(a) 3PMS is appointed as the client's agent with full power and authority to  
take all nec.essary or desirable actions on the client's

behalf to select, utilise or terminate the use of any swap SEF in connection  
with executing transactions In Derivatives kieluding,

but not limited to, such actions as are permitted or contemplated by the  
Cleared Trades Agreement as well as the following;

establishing accounts; executing agreements or other documentation; placing orders; giving instructions and directions; transmitting and receiving information relating to the client's transactions in Derivatives; and filing or causing to be filed such reports as are required by applicable law and regulation.

(b) JPMS is appointed as the client's agent with full power and authority to take all necessary or desirable actions on the client's behalf to select, utilize or terminate the use of any DCO in connection with clearing transactions in Derivatives including, but not limited to, such acts as are permitted or contemplated by the Cearec Trades Agreement as well as the following acts: establishing accounts; executing agreements or other documentation; delivering and receiving Margin; giving Instructions and directions; transmitting and receiving Information relating to the client's transactions in Derivatives; and filing or causing to be filed such reports as are required by applicable law and regulation, provided, however, that the client shall be required to instruct PSIS to use a specific DCO at the time of each trade, and in the absence of such instruction, JPMS shall not be required to submit such trade for clearing.

The client understands and agrees that JPMS will establish clearing accounts for the client at multiple DCOs. With respect to any cleared Derivative, the client has the sole right to select the specific DCO at which Derivatives will be cleared, and with respect to any Derivative that is not required by law to be cleared, the client has the right to elect to clear such Derivative (if accepted for clearing) and to select the DCO at which the Derivative will be cleared. The client wishes to use account at each such DCO to enable transactions in the following

currencies (only the currencies listed here are currently available (Check all that apply):  EUR  USD

Note: Not all DCOs will be capable of transacting in all currencies and LP. Morgan does not anticipate providing clearing services in all currencies. Please contact your JPMS representative if you have any questions.

4. Notwithstanding the foregoing, no provision of this Agreement shall constitute a waiver or limitation of any right the client may have to execute Derivatives transactions at J.P. Morgan and then clear such Derivatives transactions at a different financial institution.

Check If applicable: The client Intends to clear all Derivatives transactions outside of J.P. Morgan If the client checks this box, any provision of this Agreement governing the clearing of Derivatives transactions, including, without limitation, Subsection 3(b), will not be applicable to the client's Derivatives Account,

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4 of 5 Title SPN CAS

Banker/Investor 6/13 1072

Derivative and Foreign Exchange (FX) /Commodity Transactions  
Regulated by the Dodd -Frank Wall Street Reform and Consumer  
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C. Derivatives Approval Level (not applicable for Exempt' Transactions)

OTC Options

Level 1: Covered Writing

Level 2: Buying Options

Level 3: Spreads

Level 5: Uncovered Writing

Level 6: Combinations/Straddles

Please check all that apply:

Equity

5-1 Emerging markets

Foreign exchange

DT, Fixed Income

OVER THE COUNTER (OTC) OPTIONS INCLUDES TRADING OF INTEREST RATE SWAPS AND CREDIT DEFAULT SWAPS

FOREIGN EXCHANGE OPTIONS INCLUDES TRADING OF NON DELIVERABLE FX AND COMMODITY FORWARDS, COMMODITY OPTIONS AND PRECIOUS METALS

D. Acknowledgment

By signing this Agreement, the client acknowledges that: (1) he, she or it requested the derivatives approval level as indicated above and (2) the client shall promptly advise J.P. Morgan Securities LLC, in writing, of any material changes in his, her or its financial circumstances and options investment objectives.

E. Signatures (All account owners required to sign)

( ) A (3) JEFFREY E. EPSTEIN

Signature (Account holder) Date Print Name

Signature (Account holder) Print Name

Signature (Account holder) Date Print Name

Signature (Account holder) Date Print Name

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Approvals: I have reviewed the client's suitability profile, including:

Investment objectives, investment experience, and financial condition and agree that (a) the options level indicated above is appropriate for the client, and (b) if the client has elected to conduct Exempt Transactions and/or Derivatives they are, on behalf of the client.

Signature Date

Signature Date

J.P. Morgan Signature

(OTC Options Levels 5 Et 6) 7

J.P. Morgan use Only

5 of 5 Title SPN

Banker/Investor 6/13 1072

J.P. Morgan

Over The Counter Derivatives Approval Form for Equity Options and Structured Products

A. Derivatives Approval Level

Level 1: Covered writing/Structured Products

Level 2: Buying Options/Structured Products

Level 3: Spreads/Structured Products

Level 5: Uncovered Writing/Structured Products

Level 6: Combinations/Straddles/Structured Products OTC Options Please check all that apply:

Equity Options

n c. Structured Proacts

E1

B. ARBITRATION; CONSENT TO JURISDICTION; SERVICE OF PROCESS.

THIS AGREEMENT CONTAINS A PREDISPUTE ARBITRATION CLAUSE. BY SIGNING AN ARBITRATION AGREEMENT,

THE PARTIES AGREE AS FOLLOWS:

• AU. 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.

NO PERSON SHALL BRING A PUTATIVE OR CERTIFIED CLASS ACTION TO ARBITRATION, NOR SEEK TO ENFORCE

ANY PREDISPUTE 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;

(II) THE CLASS IS DECERTIFIED; OR

(III) THE CUSTOMER IS EXCLUDED FROM THE CLASS BY THE COURT.

SUCH FORBEARANCE TO ENFORCE AN AGREEMENT SHALL NOT CONSTITUTE A WAIVER OF ANY RIGHTS UNDER

THIS AGREEMENT EXCEPT TO THE EXTENT STATED HEREIN.

BY SIGNING THIS AGREEMENT, 3.P. MORGAN AND I AGREE THAT CONTROVERSIES ARISING UNDER, OR

RELATING TO, THIS AGREEMENT OR ANY ACTIVITY BETWEEN ME AND 3.P. MORGAN, ITS PREDECESSORS, AND

ANY OF THEIR RESPECTIVE SUCCESSORS, ASSIGNS, AND ANY OF THEIR, DIRECTORS, EMPLOYEES, AND ANY

OTHER CONTROL PERSONS AND ANY OF THEIR AGENTS, WHETHER ARISING PRIOR TO, ON OR SUBSEQUENT TO THE DATE HEREOF, SHALL BE DETERMINED BY ARBITRATION PANEL APPOINTED BY FINRA IN ACCORDANCE WITH ITS RULES, AND SUCH HEARING OR HEARINGS SHALL BE CONDUCTED IN A LOCALE SELECTED BY FINRA. THE AWARD OF THE ARBITRATORS, OR OF THE MAJORITY OF THEM, SHALL BE FINAL, AND JUDGMENT UPON THE AWARD RENDERED MAY BE ENTERED IN ANY COURT, STATE OR FEDERAL, HAVING JURISDICTION.

THIS AGREEMENT, AND ANY CLAIM, CONTROVERSY OR DISPUTE ARISING UNDER OR RELATED TO THIS AGREEMENT, THE RELATIONSHIP OF THE PARTIES, AND/OR THE INTERPRETATION AND ENFORCEMENT OF THE RIGHTS AND DUTIES OF THE PARTIES, WILL BE GOVERNED BY THE LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO ANY CONFLICTS OF LAW PRINCIPLES.

I HEREBY AGREE TO RECEIVE SERVICE OF PROCESS IN CONNECTION WITH ANY LEGAL MATTERS, ACTIONS OR PROCEEDINGS BASED UPON, ARISING OUT OF, OR RELATING IN ANY WAY TO, THIS AGREEMENT BY CONFIRMED, RETURN-RECEIPT REQUESTED MAIL, AND THAT DELIVERY SHALL BE PRESUMED IF SUCH SERVICE IS MAILED TO

THE ADDRESS MAINTAINED BY J.P. MORGAN IN ITS RECORDS.

J.P. Morgan Use Only Title SPN CAS

Page 1 of 2 Banker/Investor 6/13 U51074

Over The Counter Derivatives Approval Form for Equity Options and Structured Products J. P Morgan

B. ARBITRATION; CONSENT TO JURISDICTION; SERVICE OF PROCESS (cont.)

• I AGREE THAT THE TERMS OF ANY SETTLEMENT, OR ANY AWARD DETERMINED BY ARBITRATION, SHALL BE CONFIDENTIAL AND SHALL NOT BE DISCLOSED BY JIPMS OR ANY OTHER J.P. MORGAN AFFILIATE UNDER ANY CIRCUMSTANCES, UNLESS REQUIRED BY APPLICABLE LAW, JUDICIAL PROCEEDING OR SRO RULE.

C. Pre-Dispute Arbitration and Acknowledgement

By signing this Agreement, I acknowledge that: (1) I requested the options approval level as indicated above, (2) I shall promptly advise J.P. Morgan Securities LLC, in writing, of any material changes in my financial circumstances and options investment objectives and (3) in accordance with above, I am agreeing in advance to arbitrate any controversies that may arise in connection with me and my affairs with J.P. Morgan Securities LLC.

Date Name (Print) JEFFREY E. EPSTEIN

Signature Date Name (Print)

Date Name (Print)

Date Name (Print)

J.P. Morgan Use Only

Approval I have reviewed the above information concerning the client's suitability, including: investment objectives, investment experience, and financial condition

3PM RR Signature  
3Pt1 ROSFP Signature  
1PM S-ROSFP Signature  
(Structured Products and Equi  
.LP. Morgan Use Only  
Page 2 of 2 SPN CAS  
6/13 1\*51074

Exchange Traded Options Agreement J.P.Morgan

A. Options Agreement

1. I understand that any option transaction made for my account is subject to the rules, regulations, customs and usages of the Options Clearing Corporation and of the registered national securities exchange, national securities association, clearing organization or market applicable to such transaction. I agree to abide by such rules, regulations, customs and usages. I understand that my account at J.P. Morgan Securities LLC (JPMS') is subject to position and exercise limits established by option regulatory organizations or markets, and that such limits apply in the aggregate to all of my accounts at JPMS and any other firm.

I agree that, acting alone or in concert with others, I will not exceed any applicable position or exercise limits.

2. I understand that JPMS is under no obligation to convey any information to me relating to the underlying securities covered by the option or any securities related thereto, or any information relating to the options whether such information is then or thereafter known or available.

3. It shall be my sole responsibility to exercise, in a proper and timely manner, any right, privilege or obligation of any put option, call option, or other option which JPMS may purchase, handle, endorse or carry for my account(s).

4. I understand that, in case of my insolvency or death, or the attachment of my property, JPMS may, with respect to any options contract position, take such steps as it considers necessary or appropriate to protect JPMS against loss.

5. I have received from JPMS the options disclosure document entitled, 'Characteristics and Risks of Standardized Options,' dated February 1994, and I understand the information contained therein and affirm specifically the following;

a. That both the purchase and the writing of uncovered options contracts involve a high degree of risk, are not suitable for many investors and, accordingly, should be entered into only by investors who understand the nature and extent of their rights and obligations, and who are fully aware of the inherent risks involved,

b. That I should not purchase any option unless I am able to sustain a total loss of the premium and transaction costs, and (i) 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 (ii) I should not write a put option unless I am able to sustain the loss resulting from purchasing my

security at the exercise price, which may be substantially above the market price at the time of assignment of the put option to me.

c. That the exchanges or other regulatory bodies may restrict transactions in particular options or the exercise of options contracts in their discretion from time to time.

d. That I have noted particularly those sections of the options disclosure document which set forth the risk factors involved in options trading, and I have determined that, in view of my financial situation and investment objectives, options trading is not unsuitable for me.

6. I have read and I understand the section of the options disclosure document entitled, "Exercise and Assignment." I am aware that any equity or index option I may hold with an "in-the-money" value of one cent (\$.01.) or more at expiration will automatically be exercised by the Options Clearing Corporation if I fail to give instructions to the contrary by expiration date. I am also aware that I may not receive actual notice of an exercise or assignment until the week following the expiration date.

7. I understand that JPMS shall have no responsibility to notify me when an option in my account is nearing expiration, and I will have no claim for damage or loss arising out of the fact that an option in my account was not exercised, unless I have instructed JPMS to exercise such option at or before the time established by JPMS.

8. I understand that margin requirements exist in connection with certain options, and I agree to meet all margin calls as made by JPMS. Further, I understand that certain options accounts are considered to be margin accounts, and I represent that I am duly authorized to open and carry such margin account(s).

9. Where I am a seller of an option, I understand that JPMS is authorized, in JPMS's sole discretion and without notification to me, to take any and all steps necessary to protect JPMS from loss or damage arising out of any put option, call option or other option transaction made for my account in the event that I do not meet JPMS's margin calls promptly. These steps include, but are not limited to, buying or selling short (or short exempt) for my account, and at my risk, any or all of the shares represented by options endorsed by VMS and for my account, or buying for my account, and at my risk, any put option, call option or other option as JPMS may deem necessary to protect JPMS fully from loss or damage.

10. I warrant that options are suitable for my account after considering the potential financial obligations, and also that I understand the trading of options and the functioning of the options markets. I realize and understand that any form of options trading has a number of inherent risks connected therewith, and I am fully prepared financially to undertake such risks and to withstand any losses created thereby. I acknowledge that I have received a copy of the J.P. Morgan Account Derivatives for New Account and Investment Suitability forms, of similar forms containing information provided by me, upon which JPMS has relied. I hereby verify the accuracy of that information and agree to inform JPMS promptly of any

material change in the information.

11. ARBITRATION; CONSENT TO JURISDICTION; SERVICE OF PROCESS.

THIS AGREEMENT CONTAINS A PRE -DISPUTE ARBITRATION CLAUSE. BY SIGNING AN ARBITRATION AGREEMENT,

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J.P. Morgan use Only

Page 1 of 3 Banker/Investor Title SPN CAS

3/13 U51522

Exchange Traded Options Agreement JP.Morgan

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CLASS WITH RESPECT TO ANY CLAIMS ENCOMPASSED BY THE PUTATIVE CLASS ACTION UNTIL:

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(ii) THE CLASS IS DECERTIFIED; OR

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- BY SIGNING THIS AGREEMENT, J.P. MORGAN AND / AGREE THAT CONTROVERSIES ARISING UNDER, OR

RELATING TO, THIS AGREEMENT OR ANY ACTIVITY BETWEEN ME AND J.P. MORGAN, ITS PREDECESSORS, AND ANY OF THEIR RESPECTIVE SUCCESSORS, ASSIGNS, AND ANY OF THEIR DIRECTORS, EMPLOYEES, AND ANY OTHER CONTROL PERSONS AND ANY OF THEIR AGENTS, WHETHER ARISING PRIOR TO, ON OR SUBSEQUENT TO THE DATE HEREOF, SHALL BE DETERMINED BY AN ARBITRATION PANEL APPOINTED BY FINRA IN ACCORDANCE WITH ITS RULES, AND SUCH HEARING OR HEARINGS SHALL BE CONDUCTED IN A LOCALE SELECTED BY FINRA. THE AWARD OF THE ARBITRATORS, OR OF THE MAJORITY OF THEM, SHALL BE FINAL, AND JUDGMENT UPON THE AWARD RENDERED MAY BE ENTERED IN ANY COURT, STATE OR FEDERAL, HAVING JURISDICTION.

. THIS AGREEMENT, AND ANY CLAIM, CONTROVERSY OR DISPUTE ARISING UNDER OR RELATED TO THIS AGREEMENT, THE RELATIONSHIP OF THE PARTIES, AND/OR THE INTERPRETATION AND ENFORCEMENT OF THE RIGHTS AND DUTIES OF THE PARTIES, WILL BE GOVERNED BY THE LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO ANY CONFLICTS OF LAW PRINCIPLES.

. I HEREBY AGREE TO RECEIVE SERVICE OF PROCESS IN CONNECTION WITH ANY LEGAL MATTERS, ACTIONS OR PROCEEDINGS BASED UPON, ARISING OUT OF, OR RELATING IN ANY WAY TO, THIS AGREEMENT BY CONFIRMED, RETURN -RECEIPT REQUESTED MAIL, AND THAT DELIVERY SHALL BE PRESUMED IF SUCH SERVICE IS MAILED TO THE ADDRESS MAINTAINED BY J.P. MORGAN IN ITS RECORDS.

. / AGREE THAT THE TERMS OF ANY SETTLEMENT, OR ANY AWARD DETERMINED BY ARBITRATION, SHALL BE CONFIDENTIAL AND SHALL NOT BE DISCLOSED BY J.P.M OR ANY OTHER J.P. MORGAN AFFILIATE UNDER ANY CIRCUMSTANCES, UNLESS REQUIRED BY APPLICABLE LAW, JUDICIAL PROCEEDING OR SRO RULE.

12. I am aware that exercise assignment notices for option contracts are allocated among customer short positions pursuant to an automated procedure that randomly selects from among all customer short positions, including positions established on the day of assignment and those contracts that are subject to assignment. All American -style short option positions are liable for assignment at any time. By contrast, the writer of a European -style option is subject to assignment on expiration. A more detailed description of the carrying broker's random allocation procedure is available upon request.

#### B. Special Statement for Uncovered Options Writers

There are special risks associated with uncovered option writing that expose the investor to potentially significant losses. Therefore, this type a strategy may not be suitable for all clients 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 put 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.

I.P. Morgan Use Only

Page 2 of 3 Banker/Investor SPN CAS

3/13 U\$1622

Exchange Traded Options Agreement J.P.Morgan

B. Special Statement for Uncovered Options Writers (cont.)

Uncovered option\* writing is thus suitable only for 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 requirement\*. In this regard, if the value of the underlying instrument moves against a writer's uncovered options position, I.P. Morgan Securities LLC may request significant additional margin payments, and I.P. Morgan Securities LLC may liquidate stock or options 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 assignment. The writer of an American -style option is subject to being assigned an exercise at any time after he/she 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.

C. Derivatives Approval Level

Exchange Traded Options

Level 1: Covered writing

Level 2: Buying Options

Level 3: Spreads

Level 5: Uncovered Writing

Level 6. Combinations/Straddles Date OCC booklet and supplements sent to client:

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D. Pre-Dispute Arbitration and Acknowledgment

By signing this Agreement, I acknowledge that: (1) I requested the options approval level as indicated above; (2) I have received a copy of the booklet entitled, Characteristics and Risks of Standardized Options, and it is expected that I will read the booklet; (3) I have reviewed the special statement for uncovered options writers above; (4) the booklet and the "Special Statement for Uncovered Writers," above, are not intended to enumerate all of the risks entailed in writing uncovered options; (5) I shall promptly advise J.P.

Morgan Securities LLC, in writing, of any material changes in my financial circumstances and options investment objectives; and (6)  
In accordance with paragraph 11 on pages 1 and 2 of this form, I am agreeing in advance to arbitrate any controversies that may arise in connection with me and my accounts with 3.P. Morgan Securities LLC.

Client Signature (After account opening is required to sign below)

JEFFREY E. EPSTEIN

Date Name (print)

Signature Date Name (print)

Signature Date Name (print)

Signature Date Name (print)

3.P. Morgan Use Only

Approvals: I have reviewed the client's suitability profile, including: Investment objectives, Investment experience and financial condition, and agree that the options level indicated above is appropriate for the client.

IPM RR Signature \_\_\_\_\_ Date

IPM ROSFP Signature Date

IPM S-ROSFP Signature ,/,',"; A.,----le...Date

(Exchange Traded Options Levels 5 & 6)

1.P. Morgan Use Only

Page 3 of 3 Banker/Investor Title SPN CAS

3/13 US1622

Standing Instructions for Derivatives Collateral Transfers and Margin Loan Form - Overview and Instructions J.P.Morgan  
Overview

WHAT ARE STANDING INSTRUCTIONS FOR DERIVATIVES COLLATERAL TRANSFERS AND MARGIN LOAN?

The standing Instructions for Derivatives Collateral Transfers and Margin Loan Form is a form that allows J.P. Morgan to move cash balances from your designated accounts to meet margin requirements.

WHO SHOULD COMPLETE AND SIGN THIS STANDING INSTRUCTIONS FORM?

The Standing Instructions must be completed and signed by all parties that wish to engage in derivatives transactions in the future.

Instructions

As you review and complete the Standing Instructions Form, please keep the following instructions in mind:

- Seaisilak - If a Client Is Trading, Section A is mandatory; It allows J.P. Morgan to transfer cash out of your Asset With Brokerage Derivatives Account to cover margin.

- ewe -than B - If a Client is Trading, Section B is mandatory; it allows J.P. Morgan to transfer cash into your Asset with Brokerage Derivatives Account to return excess margin,

- Seistiori\_c - This Section is optional; It allows J.P. Morgan to make transfers from your main account to your derivatives account to satisfy a margin call. Please indicate whether the authorization is for the undersigned's existing account or a new account (Check one box only).

- set:time Q- This Section is optional; It allows J.P. Morgan to make transfers from your margin account (Reg T facility) to your

derivatives account to satisfy a margin call. Please indicate whether the authorization is for the undersigned's existing account or a new account (Check one box only).

- section E - This Section is optional; it allows J.P. Morgan to return any excess cash to your margin account (Reg T facility) (Check box to select).

- Page 2 - SLE/IMILLID - Please sign, Date and Print your Name (Name of the Account Owner)

BY signing below, the undersigned has elected to authorize, direct, and empower JPMorgan Chase Bank, N.A., J.P. Morgan Securities LLC, and J.P. Morgan Clearing Corp. (collectively, with their respective affiliates "J.P. Morgan") to take the following actions on the undersigned's behalf, which J.P. Morgan may do, but is not obligated to do, and

to make adjustments for any erroneous entries.

A. Transfer of Cash to Satisfy Margin Calls (Mandatory if Client is trading)

In the event that the undersigned is required to pledge additional cash (a "Derivatives Margin Call") to secure the undersigned's obligations of payment or performance, whether joint or several, contingent or otherwise, that the undersigned has to any J.P. Morgan entity for transactions entered into pursuant to the Client Agreement and the OTC Addendum, the ISM Master Agreement and any amendments, modifications, restatements, supplements, addenda, or similar documentation delivered in connection therewith

(collectively, "Derivatives Obligations"), J.P. Morgan is authorized, without notice to the undersigned, to debit such amounts and transfer such cash (as determined by J.P. Morgan to be necessary to satisfy any Derivatives Margin Call) from the undersigned's

J.P. Morgan account noted below ("Asset With Brokerage Derivatives Account").

This authorization is for an account that will be established by the undersigned in connection with the execution of this authorization.

The undersigned hereby agrees that upon the account's establishment and the assignment of an account number, J.P. Morgan will send the undersigned a confirmation statement verifying the account's establishment, the account number, and that this authorization applies to the account.

B. Return of Excess Margin (Mandatory if Client is trading)

In the event that the cash pledged by the undersigned to J.P. Morgan to secure the undersigned's Derivatives Obligations (collectively, "Derivatives Collateral") on any day exceeds the aggregate amount of the undersigned's Derivatives Obligations to the J.P. Morgan entity(ies) that is/are a party to such Derivatives Obligations, J.P. Morgan is authorized, without notice to the undersigned, to transfer such excess Derivatives Collateral to the undersigned's Asset With Brokerage Derivatives Account.

C. Transfers from Main Account to Derivatives Account (Optional)

Further, by checking the boxes below, the undersigned has elected to authorize, direct, and empower J.P. Morgan to take the following additional actions on the undersigned's behalf, which J.P. Morgan may do, but is not obligated to do, and to make adjustments for any erroneous entries

If the cash maintained in the undersigned's Asset With Brokerage Derivatives Account is insufficient to meet any Derivatives Margin Call, 3.2, Morgan is authorized, without notice to the undersigned, to debit such amounts and transfer such cash (as determined by .1.R Morgan to be necessary to satisfy any Derivatives Margin Call) from the undersigned's 1.2. Morgan account noted below ('Asset With Brokerage Account').

This authorization is for the undersigned's existing account. Enter Account Number:

This authorization is for an account that will be established by the undersigned in connection with the execution of this authorization. The undersigned hereby agrees that upon the account's establishment and the assignment of an account number, 3.2. Morgan will send the undersigned a confirmation statement verifying the account's establishment, the account number, and that this authorization applies to the account.

J.P. Morgan Use Only Title SPN

Page 1 of 2 Banker/Investor 4/13 131

Standing Instructions for Derivatives Collateral Transfers and Margin Loan Form - Overview and Instructions J.P Morgan

D. Transfers from the Margin Account to the Derivatives Account (Optional)

Further, by checking the boxes below, the undersigned has elected to authorize, direct, and empower 3.P. Morgan to take the following additional actions on the undersigned's behalf, which 3.P. Morgan may do, but is not obligated to do, and to make adjustments for any erroneous entries.

If the cash maintained in the undersigned's Asset With Brokerage Derivatives Account and, if the undersigned has elected, the undersigned's Asset With Brokerage Account, are insufficient to meet any Derivatives margin Call, then J.P. Morgan is authorized, without notice to the undersigned, to debit such amounts and transfer such assets (as determined by J.P. Morgan to be necessary to satisfy any Derivatives Margin Call) from the undersigned's 7.P. Morgan account noted below ('Margin Account') and, if applicable, any cash proceeds from the sale of any money market funds, to the undersigned's Asset With Brokerage Derivatives Account.

Margin Account information:

This authorization is for the undersigned's existing account. Enter Account Number:

This authorization is for an account that will be established by the undersigned in connection with the execution of this authorization. The undersigned hereby agrees that upon the account's establishment and the assignment of an account number, J.P. Morgan will send the undersigned a confirmation statement verifying the account's establishment, the account number, and that this authorization applies to the account.

E. Return of Excess Cash from the Derivatives Account to Pay Down Margin Loan (Optional)

Further, by checking the box below, the undersigned has elected to authorize, direct, and empower 3.P. Morgan to take the following additional actions on the undersigned's behalf, which 3.P. Morgan may do,

but is not obligated to make adjustments for any erroneous entries,

If the amount of the undersigned's Derivatives Collateral on any day exceeds the aggregate amount of the undersigned's Derivatives Obligations to the 3.P. Morgan entity(ies) that is/are a party to such Derivatives Obligations, then J.P. Morgan is authorized, without notice to the undersigned, to transfer from the undersigned's Asset With Brokerage Derivatives Account such excess cash to pay any debit balance owing with respect to the undersigned's Margin Account. The undersigned acknowledges that if the undersigned does not elect the foregoing authorization, then J.P. Morgan may still make such transfers if the undersigned, either orally or in a separate writing, directs J.P. Morgan to do so. All other terms and conditions applicable to the Margin Account are set out in the agreement entered into by the undersigned to purchase securities on margin, and to otherwise borrow against securities (together with any amendments, restatements, modifications, or supplements, the "Margin Account Agreement"), and the foregoing authorization is subject to the terms of the Margin Account Agreement.

F. Signature

All account owner's are required to sign below.

The undersigned acknowledges that this authorization is subject to the General Terms for Accounts and Services, as the same may be amended, restated, supplemented, or otherwise modified from time to time in accordance with its terms. This authorization is to remain in full force and effect until written notice of its revocation received by J.P. Morgan, in such time and in such manner as to afford J.P. Morgan a reasonable opportunity to act on it.

6(34 JEFFREY E. EPSTEIN

Sign Name (Print)

Signature Date Name (Print)

Signature Date Name (Print)

Signature Date Name (Print)

Morgan Use Only

Page 2 of 2 Banker/Investor Title SPN CAS

4/13 131

J.P. Morgan General Durable Power of Attorney Form SP.Morgan

(T means the person or entity who owns the J. P. Morgan Account(s))

, JEFFREY E. EPSTEIN

71kccountboider/Prir

PRESIDENT

(Title) , In my individual capacity, AND/OR in my capacity as

SOUTHERN TRUST COMPANY, INC.

("Accountholder" and "Principal"), hereby appoint Theta Trading, L.L.C. (e.g. Trust/Entity Name

and

as my Agent(s) to act for me severally and concurrently in any lawful way with respect to the following Initialed Powers, Special Instructions or Modifications:

POWERS GRANTED - ACCOUNTHOLDER SHOULD INITIAL AT LEAST ONE POWER FROM (A)

TO (F) AND/OR

PERIAL INS; HUCTION FROM (51) TO (510):

.0 GRANT UNLIMITED AUTHORITY, ACCOUNTHOLDER MAY INITIAL POWER (A).

OTHERWISE, INITIAL 111E BOX

FRONT OF EACH POWER GRANTED. EACH POWER GRANTED SHALL BE SUBJECT TO ANY "SPEC/AL

NSTRUCTIONS" OR "MODIFICATION" SELECTED BY THE ACCOUNTHOLDER IN PART 11 HEREOF.

NITIAL BELOW (Accountholder):

(A) UNLIMITED AUTHORITY. General authority to act In my name (In my individual capacity or in any other capacity that I may ) arid oo all acts that a pncipal could do with respect to the poversdescribed in the following sections of the Durable Personal Powers Attorney Act, Delaware Code, Title 12, Chapter 49 (as amended from time to time, the °Act"): Tangible personal property (§ 49A-205 of e Act): Stocks and bonds (6 49A-206 of the Act); Commodities and options (4 49A-207 of the Act); Banks and other financial institutions

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(fi 4.9A-208 of the Act); Operation Of entity or business (§ 49A-209 of the Act); Estates, trusts arid Other beneficial Interests (5 49A-211 of the Act); Retirement P'.ans (4 49A-215 of the Act); Gifts (§ 49A-217 of the Ad); To execute all agreements and documents related to the cling, and to engage In transactions and 'activities and exercise all powers Identified In Powers B through F below. Specific authority to o the following in my name and on my behalf or with respect to my property or property held In my name: to create, amend, revoke, or errnlname an Inter ylvos trust, to the extent I have the authority to do so; to make gifts (which authority shalt not be subject to the rretations set forth in Section 49A-217 of the Act) out of my property or property held in my name and on my behalf; to exercise riduary powers that I have the authority to delegate: to reject, renounce, disclaim, release, or consent to a reduction In or modification of a share in or payment from an estate, trust, or other beneficial Interest.

L (6) CUSTODY. General authority to act in my name (in my individual capacity or In any other capacity that] may hold) and do all cts the: a principal could do with respect to the powers described In Sections 49A-205 through 49A-209, 49A-211, 49A-215 and 49A-217 of he Act as raoplidable, In connection With the following : to operate all of my asset, custody, and related or linked deposit accounts and credit products and any related pledges thereto; to deposit money, checks, notes, stocks, bonds, mortgages, securities, and other Instruments and Property; to withdraw, transfer and sign checks, Payment orders, and other instruments to be paid by me; to grant JPMorgan Chase & Co.

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rid any of Its affiliates, subsidiaries, successors or assigns (collectively, -IP. Morgan') a security interest in such property otherwise vailable to me and to borrow money from LP. Morgan secured by property held in accounts in my name; to engage in foreign exchange rid mutual fund transactions; to purchase, sell, exchange, surrender, assign, redeem, vote In person or by proxy at any meeting, Or

therwise transfer any and all shares of stock, bonds, or other securities in any business, association, corporation, partnership, or other legal entity, whether private or public, now or hereafter belonging to me; to execute and issue all necessary instruments for transfer of securities out of my name or out of any other name(s) and into the name of any nominee of J.P. Morgan or into other name(s).

4: RCKEN/AGE; Custody, Stock and other transactions - Certain activities. Restricted.

I pray to act in my name (in my individual capacity or in any other capacity that I may see fit) and do all acts that a principal could do pursuant to the powers described in Sections 49A-205 through 49A-209, 49A-211, 49A-215 and 49A-217 of the Act, as applicable, in connection with the following: to operate all of my brokerage and margin accounts; to exercise all the authorities which are detailed in Power B above; to purchase and borrow or lend (on secured or unsecured basis), from, sell (including short VMS Mt Margin account), and to

therwise enter into transactions of any kind with J.P. Morgan with respect to any and all securities and financial instruments in which J.P. Morgan may deal, broker or act as counterparty from time to time, including (without limitation) stocks, bonds, debentures, notes, warrants, loans and loan participations, mutual funds, unit trusts, real estate, investment trusts, other types of pooled interest funds and commingled investment vehicles (including hedge funds), limited partnership interests, limited liability company interests, forward contracts, option or future contracts, repurchase (or reverse repurchase) transactions, securities lending, or any other certificates of indebtedness or interest of any and every kind whatsoever, whether publicly or privately offered; to enter into any derivative transactions with respect to the foregoing, including over the counter equity derivatives and structured transactions (including, but not limited to options, swaps, collars, caps and floors); to pledge any funds or instruments for the purposes of securing my obligations with respect to the foregoing; for trustees, to guarantee the obligations of other persons and entities and to pledge trust assets to secure the obligations of other persons or entities; to enter into foreign exchange or foreign currency transactions in any form; to execute all margin, option, derivative, private placement, hedge fund, alternative investment, Subscription, and other brokerage and custody related contracts and agreements. I hereby agree to indemnify and hold harmless J.P. Morgan and any other securities, commodities, or other dealer, broker, or firm from any and all losses arising from any action taken by my Agent, or any action taken by any such dealer, broker, or firm upon instructions of my Agent, pursuant to this

Power C.

J.P. Morgan Use Only

1 of 4 Title

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