

CORPORATE RESOLUTION CERTIFICATION

I. ACCOUNT INFORMATION

ACCOUNT TITLE: _____

ACCOUNT NUMBER: -

II. CERTIFICATION

I HEREBY CERTIFY that at a meeting, duly called, of the Board of Directors of _____, a corporation, at which said meeting a quorum was present and acting throughout, the following preamble and resolution was adopted and ever since has been and now is in full force and effect.

WHEREAS this Corporation is duly authorized and permitted by its Charter and Bylaws to:

- (1) Engage in cash and margin transactions in any and all forms of securities including, but not limited to, stocks, options, mutual funds, stock options, stock index options, short sales, foreign currency options and debt instrument options, bonds, bond debentures, annuities, notes, scrips, participation certificates, rights to subscribe, warrants, certificates of deposit, mortgages, choses in action, evidences of indebtedness, commercial paper certificates or indebtedness, and certificates of interest of any and every kind and nature whatsoever, secured or unsecured, whether represented by trust, participating and/or other certificates or otherwise.
- (2) Receive on behalf of the Corporation or deliver to the Corporation or third parties, including but not limited to the President, Vice President, Treasurer or any other authorized officer or person listed in Section III below giving such instruction, monies, stocks, bonds, and other securities. To sell, assign, and endorse for transfer, certificates representing stocks, bonds, or other securities now registered or hereafter registered in the name of the Corporation.
- (3) Establish and maintain an asset management account with debit card, check writing and margin privileges, from which account funds are directly spent, the responsibility for which is entirely that of the Corporation.

NOW THEREFORE BE IT RESOLVED that this Corporation opened an account or accounts in its name with

Name of Introducing Firm

and that the individuals named in Section III below ("Authorized Person") or any one of them acting individually, may, on behalf of this Corporation, be and they hereby are and each of them hereby is authorized and empowered to (1) give written or oral orders in the said account or accounts for the purchase, sale, or other disposition of stocks, bonds, and other securities, (2) deliver to and receive from Pershing LLC (Pershing), on behalf of this Corporation monies, stocks, bonds, and other securities, (3) establish and maintain an asset management account with debit card, check writing and margin privileges from which account funds are directly spent with each authorized person as indicated in the separate asset management account agreement having check writing and debit card privileges, (4) order the transfer or delivery of funds, monies or securities to any other person whatsoever, including the President, Vice President, Treasurer or any other authorized officers or persons indicated below giving such instructions, (5) sign acknowledgements of the correctness of all statements of accounts, and (6) make, execute, and deliver under the corporate seal any and all written endorsements, releases and documents necessary or proper to effectuate the authority hereby conferred; the within authorization to each of said officers to remain in full force and effect until written notice of the revocation thereof shall

have been received by _____ and Pershing.
Name of Introducing Firm

III. CERTIFICATION AND SIGNATURE

I FURTHER CERTIFY that the following are the names, titles and signatures of the officers (or others) authorized by the foregoing resolution to act for this Corporation:

Name (print): _____ Title: _____ Signature: _____

Name (print): _____ Title: _____ Signature: _____

Name (print): _____ Title: _____ Signature: _____

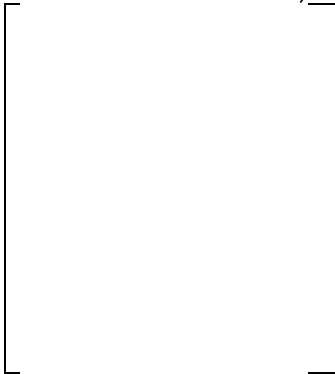
Name (print): _____ Title: _____ Signature: _____

Name (print): _____ Title: _____ Signature: _____



IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation this

(AFFIX CORPORATE SEAL HERE
IF CORPORATION USES A SEAL)



_____ day of _____, 20_____

SECRETARY SIGNATURE: _____

PRINT SECRETARY NAME: _____

NOTE 1: If the Secretary is empowered to act for the Corporation pursuant to these resolutions, the President of the Corporation as set forth above must fill in and execute the Additional Certification in Section IV below.

NOTE 2: If the Corporation has only one sole officer (e.g. President), that officer must sign above on the Secretary line indicating his or her corporate officer title in addition to filling in and executing the Additional Certification in Section IV below.

IV. ADDITIONAL CERTIFICATION

(President to complete only if the Secretary of the Corporation is authorized to act pursuant to the foregoing resolution or if the Corporation has only one officer – check one):

_____ I FURTHER CERTIFY that the Secretary of the Corporation is authorized by the foregoing resolution to act hereunder.

_____ I FURTHER CERTIFY that the Corporation has only one sole officer and that I am that sole officer and authorized to execute legal and binding documents in the name of and on behalf of the Corporation pursuant to the Corporation's governing documents.

Name: _____ Title: President Signature: _____
Print Name

Date: _____