Non-Corporate Resolution

STEP I. IDENTIFICATION OF QUALIFIED INTERMED	IARY/WITHHOLDING ENT	ГІТҮ
Legal Name of Organization		
Type of Organization		Account Number (if assigned)
Be it resolved that each of the following has been duly el	lected or appointed and is no	ow legally holding the title set opposite his/her name.
Name of Authorized Person	Title	
Name of Authorized Person	Title	
Name of Authorized Person	Title	
STEP 2. CERTIFICATION		
stock options, stock index options, short sales, foreign notes, scrips, participation certificates, rights to substindebtedness, commercial paper certificates or indebtedness or unsecured, whether represented by trust, processes on behalf of the Organization or deliver to President, Treasurer or any other authorized officer of	d all forms of securities incl in currency options and debt scribe, warrants, certificates oftedness, and certificates of participating and/or other ce the Organization or third p or person listed in Step 3 be	uding, but not limited to, stocks, options, mutual funds, instrument options, bonds, bond debentures, annuities, s of deposit, mortgages, choses in action, evidences of interest of any and every kind and nature whatsoever,
 Establish and maintain an asset management account directly spent, the responsibility for which is entirely the 		ing and margin privileges, from which account funds are
upon Organization property; borrow, guarantee and/o	or pledge any Organization a any contract the effect of anization property.	nd secure such obligations by mortgages or other liens assets as collateral, as the case may be, with respect to a which is to guarantee a borrowing, and secure such rs listed above.
LIST ANY POWERS NOT AUTHORIZED HERE:		

Organization, 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 Organization 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 organizational 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.

STEP 3. CERTIFICATION AND SIGNATURES

to act for this Organization: Printed Name	Date	
T:+lo		
Title		
Signature		
X		
Printed Name	Date	
Title		
Signature		
X		
Printed Name	Date	
Title		
Signature		
X		
Printed Name	Date	
rinteu Name	Date	
Title	'	
Signature		
X		
Printed Name	Date	
Title		
Signature		
X		
	le :	
Printed Name	Date	
Title		
Signature		
X		
IN MAITNESS MALEREAE I have become and and	and and affixed the soal if any of said Organization	
	and and affixed the seal, if any, of said Organization , 20	
	, 20	

ORGANIZATION USES A SEAL]

Principal Signer of Certification

This individual may or may not be listed in the authorized persons box above.

Printed Name	Date
Title	
Signature	
X	
	ganization pursuant to these resolutions and certifications, but is not a on as set forth above must fill in and execute the Additional Certification in
If the Organization has only one sole Managing Member, the indicating his or her company title in addition to filling in an	at Managing Member must make the certification immediately above d executing the Additional Certification in Step 4 below.
STEP 4. ADDITIONAL CERTIFICATION	
A Managing Member to complete only if the Principal Signer is not a Managing Member, or if the Organization has only or	in Step 3 above is authorized to act pursuant to the foregoing resolutions, but
	ne Managing Member.

I FURTHER CERTIFY that the Organization has only one sole Managing Member and that I am that sole Managing Member and authorized to execute legal and binding documents in the name of and on behalf of the Organization pursuant to its governing

Date

documents.

Title

Signature