Entity Certification of Powers

ADVISOR SOLUTIONS

For use with bank and brokerage custody accounts.

STED 1 IDENTIFICATION OF ENTITY

This form is used for the certification of powers of entities other than trusts and partnerships. Please use the Trustee Certification of Investment Powers for trusts, and the Partnership Certification of Powers for partnerships.

JILI	I. IDENTIFICATION	21 ENTITY			
Legal Na	me of Entity		Account Number (if assigned)	Account Number (if assigned)	
Account Title			Tax ID		
Effective	Date of Entity	Governing State/Country Law	Latest Amendment or Restateme	nt Date	
Туре о	f Entity				
Entity/R	egistration Type (for exampl	e: Corporation, Non-Profit Organization, Limited Liability C	ompany, etc.)		
STEP	2.POWERS OF AUTH	HORIZED PERSONS			
investn transfe <u>Person</u> release	nent advisers and oth r or delivery of funds, s") giving such instructs and documents necetion to the stated pow Margin/Short Selling and purchase securiting and to grant authority.	ificates of deposit. The undersigned persons er agents and delegate investment authority monies or securities to any other person witions, and make, execute, and deliver under tessary or proper to effectuate the authority here, please select the corresponding box to in a comparison of the corresponding box to in the corresponding box to	to them. In addition, the undersignation to them, including the persons in the company seal, if any, and any areby conferred. Indicate additional features/authorises Authorized Persons to maintain at the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise, to pledge, resonders and the entity does not own (i.e. shorrincipal or otherwise)	igned persons may order the indicated below ("Authorized and all written endorsements, ities permitted by the entity: a margin and short account rt selling), to borrow money, e-pledge, hypothecate or re-	
	which is to borrow mand/or pledge any en	f checked, the entity authorizes the authorizes oney, and secure such obligations by mortgantity assets as collateral, as the case may be effect of which is to guarantee a borrowing	ges or other liens upon any entity with respect to a loan; guarantee	property; borrow, guarantee a borrowing of money or to	
	for the activity, which	ment Account. If checked, a cash or asset man may include debit card and/or check writing ate application. (Note that Corestone is only a	g ability, is entirely with the Author	ized Persons. This feature is	
	Option Trading. If ch	ecked, option trading is authorized by the enti	ty.		
the Ent	ity named herein shall	OLVED that this certification and authorizati remain in full force and effect until written no			
Name o	f Advisory Firm			and Advisor Solutions.	



Advisor Solutions refers to the brokerage services business of Pershing Advisor Solutions LLC ("Pershing Advisor Solutions") and/or the bank custody solutions business of BNY Mellon, National Association ("BNY Mellon, N.A.").

STEP 3. IDENTIFICATION OF AUTHORIZED PERSON(S) (MANDATORY)

I further certify that the following names, titles and signatures of the officers (or others) are authorized by the foregoing resolution to act for this Corporation/Organization.

Authorized Person Printed Name	Date					
Title						
TITLE						
Signature						
X						
Authorized Person Printed Name	Date					
Title						
Signature Signature						
X						
Authorized Person Printed Name	Date					
Title						
Signature						
X						
Authorized Person Printed Name	Date					
Title						
Signature						
X						
Authorized Person Printed Name	Date					
Title						
Signature						
X						

Advisor Solutions refers to the brokerage services business of Pershing Advisor Solutions LLC ("Pershing Advisor Solutions") and/or the bank custody solutions business of BNY Mellon, National Association ("BNY Mellon, N.A.").

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Account Number

Authorized Person Printed Name	Date					
Title						
Signature						
X						
STEP 4. CERTIFICATION AND SIGNATURE (MANDATO	PRY)					
Must be signed by an authorized representative of the entity. The signer may or may not have also signed as an Authorized Person.						
BY MY SIGNATURE BELOW, I CERTIFY that, as an authorized representative of the entity, the individuals identified herein are duly authorized by the foregoing resolution to act on behalf of this Entity.						
Authorized Person Printed Name	Date					
Title						
Signature						
X						

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Mellon, National Association (<u>BNY Mellon</u>; N.C.,). Pershing Advisor Solutions, member FINRA, SIPC, is a wholly owned subsidiary of The Bank of New York Mellon Corporation ("<u>BNY Mellon</u>"). Clearing, custody or other brokerage services may be provided by Pershing LLC, member FINRA, NYSE, SIPC. Pershing Advisor Solutions relies on its affiliate Pershing LLC to provide execution services. Trademark(s) belong to their respective owners.

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