

In accordance with the terms of the NASDAQ OMX U.S. Services Agreement executed between The NASDAQ OMX Group, Inc., its subsidiaries, and Subscriber ("Agreement"), Nasdaq Technology Services, LLC ("NTS") shall allow Subscriber's authorized users to access and use the Virtual Service Desk, a web-based application by which customers are able to place, configure and/or view orders for various NTS Services including (a) port/dedicated server connectivity, and (b) other services (such as the NASDAQ Algo Test Facility) ("Virtual Service Desk").

In order to configure Subscriber's access to the Virtual Service Desk, Subscriber shall provide NTS with a list of authorized users and select their permission level using the Authorized Contacts form below. Authorized users can be set up with full ordering permission or with read-only permission for the Virtual Service Desk, or permissions may be removed using the Authorized Contacts form. Please provide more than one form if additional authorized users are required, and when completed and signed by an authorized offer, Subscriber must fax this Authorized Contacts form to NTS at +1 212 231 5426 or email subscriber@nasdaqomx.com.

NTS will provide each user login and associated password ("Login Credentials"); each user's Login Credentials are personal to an authorized user and may not be shared, lent, sold, transferred, or used by others. Subscriber will assign only one unique user account and Login Credentials per authorized user.

Subscriber shall keep the authorized user information provided to NTS accurate and updated by providing NTS with prompt, written notice of any changes. Subscriber shall ensure that each authorized user shall not access any portion of the Virtual Service Desk after such user is no longer eligible for access, and Subscriber shall notify NTS within one business day either by email at subscriber@nasdaqomx.com or by submitting an Authorized Contacts form indicating user to be removed, when an authorized user is no longer eligible to receive access to the Virtual Service Desk. In addition, Subscriber may not access the Virtual Service Desk if Subscriber's access is terminated by NTS. Subscriber will notify NTS within one business day if any Login Credentials have been compromised.

All notices shall be sent by sending an e-mail to subscriber@nasdaqomx.com, by fax to NTS at +1 212 231 5426 or in writing using the address in the Section 20 (Notice) of the Agreement;

All orders for services and products which are submitted via the Virtual Service Desk are subject to the terms and conditions of the agreement between Subscriber and NTS/its Affiliate pursuant to which Subscriber is entitled to order such services (e.g. the NASDAQ OMX U.S. Services Agreement, the NASDAQ Technology Services Co-Location Agreement, or the NASDAQ Technology Services ATF Agreement). If you do not receive a written confirmation from NASDAQ OMX within 3 business days that your request has been received and processed, please contact NASDAQ OMX Subscriber Services at 212 231 5180 or subscriber@nasdaqomx.com.



Signature

NASDAQ OMX U.S. Services Agreement Virtual Service Desk – Procedures and Requirements

Virtual Service Desk Authorized Contacts Form

	Authorized	d Contacts Form		
	Subscrib	er Information:		
ompany Name:				
PID:				
	Authori	zed Contacts:		
uthorized User Name:		Authorized User Name:		
nail:		Email:		
none Number:		Phone Number:		
Please specify Service to which		Please specify Service to which		
permissions will a	ipply:	permissions will apply:		
Service Access Lev	vel: Check (v) if Applicable	Service Access Level:	Check (v) if Applicable	
Full Permission		Full Permission		
Read-Only		Read-Only		
Remove		Remove		
nuthorized User Name: mail: hone Number:		Authorized User Name: Email: Phone Number:		
		THORSE THORSE		
Please specify Service to which		Please specify Service to which		
permissions will apply:		permissions will apply:		
Service Access Lev	vel: Check (v) if Applicable	Service Access Level:	Check (v) if Applicable	
Full Permission		Full Permission		
Read-Only		Read-Only	Read-Only	
Remove		Remove		
Subscriber authorize Subscriber to place Access to and use executed between which are submitted.	zes the above authorized users to e and/or to view orders, as applica of the Virtual Service Desk is sul The NASDAQ OMX Group, Inc ed via the Virtual Service Desk an	nould have 'Full Permission' or 'Reaccess the Virtual Service Desk an able. Such orders shall be subject to bject to the NASDAQ OMX U.S. S., its subsidiaries, and Subscriber. The subject to the terms and condition to which Customer is entitled to order	d to act on behalf of acceptance by NTS. dervices Agreement All orders for services ns of the agreement	
Print Name		Title		

Date