IT Notice 35/11

Genium INET – Improving the OMnet API client connections handling, regarding disconnections

NASDAQ OMX will implement an improvement of how OMnet API client connections are handled regarding disconnections on Wednesday 9th of March.

About OMnet API and heartbeats

When connecting to an OMnet gateway from the OMnet API, the OMnet Gateway starts sending heartbeats to the central system. The sending of heartbeats to the central system takes place only if the connection to the OMnet API client has been verified during the heartbeat interval. The client connection is verified by receiving any of the OMnet API calls during the interval. How often the client connection must be verified and how many verifications that are allowed to fail before the connection is considered lost is configurable per user type.

The configuration change

With today's configuration, if the client connection is not verified within the specified interval the client is considered lost. Any live orders will be inactivated, but the user will not be disconnected. This creates a state in the system where the client connection is left in a functional state but is no longer heartbeat supervised. With the configuration change, in addition to inactivation of orders, the client connection will now be disconnected (forced logged out).

For further information on this IT notice, please contact 1st Line Technical Support at telephone +46 8 405 6750 or email technicalsupport@nasdaqomx.com.