

part of eex group



Connection of a System for Algorithmic Trading to the Trading Systems of EEX

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- only required as scan -

1. Connection of a System for Algorithmic Trading to the Trading Systems of EEX

Member:

EEX Customer Care Team:

Phone: +33 1 70 36 33 42

Email: membership@eex.com

Company name

Department

Technical Contact Person

Address or Post Box

Postal Code, City

Phone

Fax

Email-Address Technical Contact Person

Member ID (if known)

E X

This notification is made in accordance with Sect. 19 para. 5 of the Exchange Rules in conjunction with no. 2.3 of the Technical Implementation Regulation in relation to

- a system for algorithmic trading as defined by no. 1.10. of the Technical Implementation Regulation (System).
The System that is subject of this notification is not just software that has been provided by EEX in its respective unchanged standard configuration (T7 GUI or EEX TT Screen).

We hereby notify the following:

Ser. No.	Algo-ID (fully numeric with a maximum of 19 digits*)	Connection of New Algorithm	Modification of Algorithm	Activation Date	Algo used by	
1.		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> Member <input type="checkbox"/> DEA/ORS-Client	
Name of Algorithm and Description of algorithm / No. of standard algorithm according to Annex 1 („Standard Algorithm“)**						Market
					<input type="checkbox"/> Derivatives <input type="checkbox"/> Spot <input type="checkbox"/> OTF	<input type="checkbox"/> All other markets <input type="checkbox"/> Gas
Ser. No.	Algo-ID (fully numeric with a maximum of 19 digits*)	Connection of New Algorithm	Modification of Algorithm	Activation Date	Algo used by	
2.		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/> Member <input type="checkbox"/> DEA/ORS-Client	
Name of Algorithm and Description of algorithm / No. of standard algorithm according to Annex 1 („Standard Algorithm“)**						Market
					<input type="checkbox"/> Derivatives <input type="checkbox"/> Spot <input type="checkbox"/> OTF	<input type="checkbox"/> All other markets <input type="checkbox"/> Gas

*Please note that the first digit may not be "0".

**In case of algorithms that are not a Standard Algorithm: Exact description of:

- **new algorithm:** functionalities and trading strategies applied for algorithmic trading as well as the operating mode of the systems in different market constellations that could occur; if necessary, please use supplementary sheets.
- **modification:** modifications made and their impact (i) on the functionalities and trading strategies applied for algorithmic trading and (ii) on the operating mode of the systems in different market constellations that could occur; if necessary, please use supplementary sheets.
- **standard algorithms:** please provide number of algorithms according to **Annex 1**, no description of algo necessary

As responsible exchange trader (for algo used by Member or ORS-Client)/responsible person (for algo used by DEA-Client) according to para. 2.3 of the Technical Implementation Regulation we appoint (only in case of new algorithms, or if a new exchange trader/person shall be appointed as being responsible for an existing algorithm):

	Name	Mobile Phone	Email	Responsible for Algo(s) Ser.No.
<input type="checkbox"/> Ms. <input type="checkbox"/> Mr.				
<input type="checkbox"/> Ms. <input type="checkbox"/> Mr.				

Provide contact details (email/mobile phone) by means of which the responsible exchange trader is available at all times during the trading time.

With our signature we certify and assure that:

1. The systems for algorithmic trading described above

a) Only for algorithms that are no Standard Algorithms:

- have been successfully tested in an appropriate testing environment to verify they are not contributing to or creating disorderly trading conditions, and
- have been successfully tested in the testing environment provided by EEX to verify the ability of the systems for algorithmic trading to interact as expected with EEX's matching logic and the adequate processing of the data flows from and to the trading venue

b) For all algorithms (Standard Algorithms and non-standard algorithms):

- are sufficiently resilient, provide sufficient capacity and are subject to adequate trading thresholds and upper trading limits;
- avoid the submission of erroneous orders or a functionality of the system that causes dysfunctions of exchange trading or could contribute thereto;
- are continuously parameterized and controlled by an exchange trader admitted for the Exchange Participant at the exchange (for algos used by Member or ORS-Clients) or by a person that is personally reliable and that has the required professional qualifications (for algos used by DEA-Clients)

- we have efficient emergency arrangements at our disposal to deal with unforeseen disruptions in our systems;
- we monitor our systems properly;
- it is safeguarded, that records are kept about each change in the algorithms covered by this form;
- we will flag the usage of the algorithms covered by this form as further described in the EEX Rules and Regulations (algos used by us or ORS-Clients) / ensure respective flagging by our DEA clients (in case of algos used by DEA clients);
- we/our DEA-Clients have adequate systems and controls in place to test our algorithmic trading systems before they are deployed in a live environment and to properly monitor them, whereby the risk that the algorithmic trading systems are used for a purpose that violates European or national laws against market abuse or the rules of EEX is reduced.
- it is safeguarded that in all our/our DEA/ORS-Clients' operations related to the systems for algorithmic trading described above the EEX Rules and Regulations and all applicable provisions of German and European law will be observed.

The undersigned assures that he has fully informed the contact persons named in connection with the contract, the exchange membership relationship or other legal relationships about the transfer of their personal data and that he has brought to their attention the PRIVACY NOTICE which can be found on our company websites.

We will notify EEX immediately and unrequested about any change in the information given in this notification.

Place	Date dd.mm.yyyy	Company stamp and legally binding signature(s) of applicant <i>Name of Signatory/-ies:</i>
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Annex 1

Table 1

No.	Algorithm Name	Provider	Algorithm Description	Algorithm ID for Trading Venues (defined by the provider)
1	Hidden Order	Exxeta	The hidden order algorithm monitors given orderbooks for liquidity in the orderbook that can be matched. Once the liquidity becomes available the algorithm aggresses the order(s) in the market.	698888698465002
2	Quoting	Exxeta	The quoting algorithm supports users with automated market making functionality like benchmark quoting and offset quoting.	698888698465003
3	Surplus Orders	Exxeta	This algorithm is specific to trading venues that use the Trayport platform. This algorithm allows to deal an order that is resting in the orderbook (resting order) and put surplus quantity into the orderbook after the resting order has been dealt.	698888698465005
4	Auto Aggress Order	Exxeta	This algorithm is specific to trading venues that use the Trayport platform. The auto aggress order allows to enter a visible part that is resting in the orderbook with a given limit price and a hidden part with a given aggress price. The visible part is a normal limit order. For the hidden quantity the algorithm monitors the orderbook. If tradable quantity becomes available that quantity is aggressed. The algorithm monitors for quantity on all trading venues (or "brokers" in Trayport lingo) that are tradable in the orderbook so it will also work in choice market scenarios.	698888698465008
29	Multi Target Routing	Exxeta	Internal orders can be routed to the external market. Different users can generate orders in EXXETA Internal Market (basic order entry). Depending on prices and order size, the orders are (partially) executed.	698888698465006
30	Synthetic Iceberg	Exxeta	The synthetic iceberg order algorithm allows the user to enter an iceberg order. The control over the iceberg (peak, remaining qty, price) is within the algorithm and not on the trading venue. This allows to enable iceberg order functionality on trading venues that don't have a native iceberg order type.	698888698465001
5	Spread Maker – Joule Direct	Trayport	Submits synthetic spread orders to market based on a given tick differential off another contract.	999111100

No.	Algorithm Name	Provider	Algorithm Description	Algorithm ID for Trading Venues (defined by the provider)
6	Spread Maker – Trading Gateway	Trayport	Submits synthetic spread orders to market based on a given tick differential off another contract.	999111300
7	Market Making live – Joule Direct / Trading Gateway	Trayport	Helps meet Market Making obligations by allowing you to enforce a fixed bid-ask spread.	999111200
28	autoTRADER Forwards & Futures - Market Maker	Trayport	The autoTRADER Forwards & Futures - Market Maker is designed to provide liquidity to the market. The algorithm places orders within the order book but not directly at the top. The distance to the top of the orderbook is defined using a combination of a minimum order book depth and a price spread. If there are not sufficient orders in the market to reach the minimum market depth, no order is placed.	999200100
8	Aggregator	Trading Technologies	Aggregator provides users the ability to create synthetic instruments that combine the markets of two or more instruments. Users can trade aggregated instruments that route orders to one or more exchange-listed instruments based on various parameters and rules as configured by the user.	698888698465060
9	Autospreader	Trading Technologies	Autospreader automates the legging of spreads between two or more instruments. Users define a synthetic spread, and Autospreader quotes in one or more legs of the spread based on the market in the other leg's. If a quote is filled, Autospreader sends hedge orders in an attempt to leg into a spread at the desired price.	698888698465070
10	Autotrader	Trading Technologies	Autotrader is a market making algo that automatically places orders for an instrument based on parameters, formulas and values linked from Excel and optionally manages positions accumulated while running the algo.	69888850400008
11	Liquidate	Trading Technologies	Liquidate is a feature in X_TRADER that allows a user, with a single action, to cancel all existing orders for an instrument and then send an offsetting order for the same instrument to flatten an open position in that instrument.	69888850400011

No.	Algorithm Name	Provider	Algorithm Description	Algorithm ID for Trading Venues (defined by the provider)
12	Sniper	Trading Technologies	The Sniper algo allows you to hide your intent to buy or sell at a given price until a desired quantity is available at that price.	69888850400013
please also specify No. according to table 2	Synthetic Order Types (Group)	Trading Technologies	TT provides a number of synthetic order types that are configured by the user and managed on a co-located server. Users specify an order quantity for an instrument and configure parameters for the parent synthetic order. The parameter values instruct the server how and when to send child orders into the market to fill the total quantity of the parent order. On X_TRADER, the synthetic order types are also known as SSE order types. For a description of the currently existing types of synthetic orders see table 2.	According to table 2 (specific algorithm id for each type of synthetic order)

Table 2

Number	TT Order Type	Description	Algo-ID (proposal of EEX)
13	TT Bracket	Submits a Limit or Stop order that, upon execution, triggers an OCO (one-cancels-other) order	69888850400081
14	TT Iceberg	Executes a large volume order by breaking it into smaller disclosed orders, submitting them one at a time until the total order quantity is filled. The next child order is entered only after the current child order is fully-filled.	69888850400082
15	TT If-Touched	Triggers an order when the market has reached or penetrated a specified price better than the current market.	69888850400083
16	TT OCO	Submits two orders of the same quantity at different price levels on the same side of the market, cancel one as the other is filled.	69888850400084
17	TT Retry	Continues to submit the child order until it is accepted by the exchange or until it is rejected a specified number of times.	69888850400085
18	TT Stop	Triggers an order when the market has reached or penetrated a price worse than the current market.	69888850400086
19	TT Time Duration	Works a large quantity order for a set period of time, submitting smaller disclosed order portions at regular intervals based on a total time desired to achieve the total goal quantity.	69888850400087
20	TT Time Sliced	Slices a large quantity order into smaller disclosed orders and submits them at fixed time intervals.	69888850400088
21	TT Timed	Submits an order at a specific time and works the order until a specified time is reached.	69888850400089
22	TT Trailing Limit	Submits an order to the exchange at a specified number of ticks away from the market.	69888850400090
23	TT Volume Duration	Submits an order based on the total amount of traded volume needed to achieve the total order quantity.	69888850400091
24	TT Volume Sliced	Slices a large quantity order into smaller disclosed orders based on trading volume.	69888850400092
25	TT With A Tick	Submits a limit order that is automatically repriced one tick towards the market based on the price and quantity of the opposite inside market.	69888850400093
26	TT Autohedger	Automatically submits an underlying hedge order for a filled options outright or spread/strategy order	69888850400094
27	TT OBV	Enters an order for an options contract based on a desired volatility.	69888850400095