

UBS MTF Market Notice

Throttling limit update

4 September 2018

Dear Member,

Following the addition of the Periodic Auction Order Book on 18 June 2018, we would like to announce an update to our User Guide and specifically a change to the throttling limit published in November 2017.

New Throttling limit: 1,500 messages per second per session (previously 1,000)

The change will be effective on Monday 17 September 2018. A copy of the User Guide is also attached with this Notice.

If you have any queries regarding this notice please contact the UBS MTF Supervisors at +44 207 568 2052 or ubs_mtf@ubs.com.

UBS MTF Management

Notice N19 2018

UBS MTF Notices and documentation are available at <https://www.ubs.com/mtf>. If you have any queries regarding this notice, or comments on the above, please contact the UBS MTF Supervisors at +44 20 7568 2052 or ubs_mtf@ubs.com.

UBS Limited is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

UBS Limited is a subsidiary of UBS AG.

UBS Limited is a company limited by shares incorporated in the United Kingdom registered in England and Wales with number 2035362. Registered office: 5 Broadgate, London EC2M 2QS.

UBS MTF User Guide

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1. Introduction

- 1.1. This Guide explains the policies, procedures and technology used by UBS Limited to operate the UBS multilateral trading facility.
- 1.2. Terms defined in the UBS MTF Rulebook shall have the same meaning in this Guide. In the event of a conflict between the provisions of this Guide and those of the UBS MTF Rulebook, the latter will prevail.

2. Overview of How UBS MTF Works

- 2.1. UBS MTF is an FCA regulated Multilateral Trading Facility (UBS MTF). It operates two Order Books:
 - 2.1.1. Pegged Order Book:
The Pegged Order Book is a dark pool that allows professional investors to trade pan-European securities. Trades are matched anonymously through the UK based UBS MTF matching engine at the midpoint of the relevant primary exchange. UBS MTF offers a simple, transparent fee structure based on value traded.
 - 2.1.3. The Pegged Order Book is eligible for the pre-trade transparency waivers available to reference price systems and to orders that are large in scale compared to Normal Market Size under the Markets in Financial Instruments Directive
 - 2.1.4. Periodic Auction:
UBS MTF also operates as a periodic auction. It meets the MiFID II publication requirements as defined in MiFID Annex I Table I and will publish auction prices and auction volumes.
- 2.2. This Guide aims to provide you with a high-level understanding of UBS MTF's most relevant features but you should also read the related documents, including but not limited, to the UBS MTF Rulebook and the UBS MTF Membership Agreement.

3. Technology

- 3.1. UBS Limited has a wealth of experience of providing and managing data, developed through its extensive Equities businesses. UBS MTF was delivered by similar standards of excellence, using IT systems already in place. UBS Limited has proven experience of providing high levels of security and reliability which continue to be evident in the maintenance of UBS MTF since its launch in 2010.

4. Participation in UBS MTF

- 4.1. Participation in UBS MTF is open to all who meet the Eligibility Criteria delineated in the UBS MTF Rulebook.
- 4.2. UBS MTF Pegged Order Book offers complete pre- and post-trade anonymity. The Periodic Auction Order Book also offers anonymity but the Auction Price and volume are published in real-time. All trades in both Order Books are reported to CBoe BXTR on a real-time basis.

5. Applications

- 5.1. Applications for participation may be made using the UBS MTF application form, available upon request.
- 5.2. UBS MTF may also request additional information in relation to the application and such additional information as may be required from time to time.

6. Continuing Obligations

- 6.1. Members are responsible for ensuring that, at all times, they, their directors, officers, employees and agents who have access to the UBS MTF have adequate experience, knowledge and competency to conduct transactions on UBS MTF.
- 6.2. Members must have and maintain adequate internal procedures and controls to ensure the competency of their staff. The procedures are detailed further in the UBS MTF Rulebook.
- 6.3. Members must have in place a valid agreement with a UBS MTF central counterparty for clearing and settlement services in accordance with the Rules in the MTF Rulebook.

7. UBS MTF Information

The following table gives the key items of information in respect of both UBS MTF Pegged Order Book and Periodic Auction Order Book:

	Pegged Order Book	Periodic Auction Order Book
Regulatory Status	UK Regulated pan-European MTF operated by UBS Limited	
Contact details	UBS MTF 5 Broadgate London EC2M 2QS Richard Semark – Head of UBS MTF E-mail: Richard.Semark@ubs.com Jean-Philippe Minet & Andrew Lynch MTF Supervisors Telephone: 0207 568 2052 E-mail: ubs_mtf@ubs.com	
MIC	XUBS	XUMP
Market Calendar	UBS MTF observes the market practice for open business days. Where a primary local market is closed on a business day or will not trade a particular stock, UBS MTF will be closed for that market (or will not trade the stock in question, as the case may be).	
Currencies Quoted	Securities are traded in their local currency (EUR, GBX, GBP, SEK, DKK, NOK, CHF, HUF, CZK and USD).	
Throttling limit	1,500	1,500
Connectivity	Standard FIX 4.2 connectivity	
Bloomberg Exchange code	S2	
TSO code	V	
Symbology	Uniform Symbology as set out in the FIX Rules of Engagement	
CCP	SIX x-Clear, LCH.Clearnet, and EuroCCP	
No CCP functionality	Members can opt in to settle internalised trades manually	
Markets coverage	Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, the Netherlands, Norway, Portugal, Spain (currently suspended), Sweden, Switzerland and the United Kingdom.	Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, the Netherlands, Norway, Portugal, Sweden, Switzerland and the United Kingdom.
Market hours	08:00 to 16:30 UK time. Crossing within the UBS MTF follows the hours of the underlying primary market but always stops at 16:30 UK Time.	
Order Type	Pegged order only	Limit order only
Time in Force	IOC and Day	Day and Good For Auction (GFA)
Matching logic	Waiver and time priority with	Price determination: the Auction

	execution at the mid of the Most Relevant Market. Well-formed market checks are applied.	Price is determined by the most aggressive buy and most aggressive sell orders. Well-formed market checks are applied as in the Pegged Order Book. The share allocation priority is broker, size and time.
Order to transaction ratio	750	750
UBS MTF pre-trade Market Data	N/A	Pre-trade auction price and volume are available real-time to Members and also published on UBS MTF website

8. Trading Sessions

Each of the trading days within UBS MTF is divided into the sessions described in the following table.

Period	Time
Technical Connectivity	From 06:35 UK time.
Pre-Market Continuous Trading Period	N/A
Continuous Trading Period	08:00 – 16:30 UK time.
Post Trading Administration Period	N/A
Order Expiry	Open orders are expired at 16:45 UK time.
Technical Connectivity Ends	19:00 UK time.
Time in Force	IOC and Day orders only. All unexecuted Orders automatically expire after market close.

UBS MTF does not cross Orders during suspensions or trading halts on the primary markets, or when crossing is prevented due to well-formed market checks. Please note that UBS MTF has no opening or closing auctions and there will be no matching on UBS MTF during Auctions on the primary markets.

9. Securities Available On UBS MTF

UBS MTF offers trading in pan-European Equity instruments, including shares, Depository Receipts and ETFs. Those available from time to time on one, other or both Order Books will be published by UBS MTF.

10. Order Functionality Available On UBS MTF

10.1. Duration

UBS MTF accepts only Pegged Orders in the Pegged Order Book, Day or Good For Auction Orders in the Periodic Auction Order Book (See Rulebook for definitions of Order types).

10.2. Minimum order size

The minimum order size is 1.

10.3. Pegged Types / MAQ

Orders must be pegged to the mid of the most relevant market.

UBS MTF permits a Member to place an order which excludes matching against another order unless that other order is of a minimum acceptable quantity.

10.4. Self-Cross Prevention

Orders may be instructed not to cross against other orders entered under the same participant ID. If no such instruction is given, orders are eligible to cross against any matching order, including orders entered by the same participant. Orders from the same Member with self-cross prevention will not trigger an Auction.

10.5. No CCP instructions

A Member may specify that where Orders from that Member match, that such Matching Orders are not sent to a CCP for clearing. These instructions cannot be given on an Order by Order basis. Throttling limit

UBS MTF throttling limit is set at 1,000 messages per second per trading session. New Order and Order Amend messages will be rejected when the limit above is breached. Order Cancel messages will be accepted.

10.6. Order to Transaction Ratio

UBS MTF has published two *Order to Transaction ratios* for each Order Book, published on the UBS MTF website. These ratios may be amended from time to time and Participants will be notified by Market Notice:

Order to Transaction Ratio is set to 750; and

Order volume to transaction volume ratio is set to 15000 shares

11. Fees

- 11.1. Fees and charges are applicable as laid out in the Fee Schedule as notified to all Members from time to time and published on the UBS MTF website at <http://www.ubs.com/mtf>.
- 11.2. Members will pay settlement fees to the central counterparty it has chosen to settle transactions on the MTF. Pricing of this service will depend on the terms of the agreement between the central counterparty and the Member.
- 11.3. There are no membership fees and no per trade or cancellation fees. However, Members shall pay to UBS MTF all applicable subscriptions, charges, fees and any other costs due in accordance with the UBS MTF Rulebook, the UBS MTF Membership Agreement or the fee schedule for UBS MTF as notified to all Members from time to time.

12. Tick Sizes

- 12.1. UBS MTF follows the tick size structure as defined by the most relevant market for each instrument and as published by ESMA. For non EU market such as Switzerland, UBS MTF will track the tick size of the Primary Market. All Orders submitted to the Periodic Auction Order Book must be on a tick (though matching may occur at full or half tick sizes). UBS MTF publishes a tick size table on its website at <http://www.ubs.com/mtf..>

13. Notifications

- 13.1. Notification of changes to UBS MTF by Members (as delineated within the UBS MTF Rulebook) should be made as soon as is reasonably practicable. Changes to the Rulebook will be communicated by Trading

Notice and will take effect 10 days' after the issuance of such notice. UBS MTF Management will endeavour to inform Members of any forthcoming changes at least twenty-one (21) calendar days prior to the effective date of any such change.

14. Substantial Shareholdings

- 14.1. A Member should ensure that, where necessary, any Relevant Transactions executed on UBS MTF are incorporated into its calculations with regard to any applicable substantial shareholdings rules.
- 14.2. Where there is a requirement under any applicable substantial shareholdings rules to notify any person or body as to the existence of a substantial shareholding, Members must ensure compliance with such obligations. Please note that notification to UBS MTF will not discharge any obligations under any applicable substantial shareholding rules or their equivalent.

15. Rules of fair practice

- 15.1. Each Member shall ensure its compliance with the UBS MTF Rulebook and the rules and guidance of the FCA and any other relevant regulatory authority, the EU Market Abuse Directive 2014/57/EU, Market Abuse Regulation (EU) No 596/2014, and any other applicable regulation or law.

16. Erroneous transactions

- 16.1. The UBS MTF Management has discretion to cancel an order or transaction where it decides that an Order or transaction is erroneous.

17. Default

- 17.1. If at any time a Member suffers an Event of Default, UBS MTF may take action in accordance with Rule 8 of the UBS MTF Rulebook. Pursuant to Rule 8, UBS MTF shall be entitled, without prior notice to the relevant Member, to take any actions it deems appropriate at its sole discretion. Such actions may include but shall not be limited to the following:

- a) to cancel some or all orders or transactions;
- b) to suspend the Member's participation on UBS MTF;
- c) to treat any or all Orders or Relevant Transactions then outstanding as having been repudiated by the Member, in which case UBS MTF's obligations under such Orders and / or Relevant Transactions shall be cancelled and terminated.

18. Clearing and Settlement

- 18.1. Members must have in force a valid clearing agreement with a CCP. The CCP concerned will administer the clearing and settlement of all transactions on UBS MTF and the relevant CCP's rules will govern such clearing and settlement in addition to these Rules.
- 18.2. The standard settlement cycle / the standard place for settlement for the relevant security will apply to transactions on the MTF.

As specified in 10.5 above, a Member may use the No CCP functionality offered by UBS MTF and configured at Member level. This functionality prevents internalised trades going to the CCP for clearing and requires the Member to settle manually.

- 18.3. Members must ensure that securities and/or cash delivered in settlement of a transaction are free of any lien, charge or encumbrance.
- 18.4. A Member shall treat a security as being 'ex' a benefit from the time that security is marked 'ex' that benefit on the Primary Market. However, UBS MTF will take no responsibility for marking a security as 'ex' or 'cum' a benefit on the UBS MTF. The responsibility for accurately pricing a security undergoing a corporate action is solely with the Member.

This guide and other relevant materials including but not limited to the UBS MTF Rulebook and the UBS MTF Membership Agreement, are being distributed by UBS Limited only to, and is directed only at (a) persons who have professional experience in matters relating to investments who fall within Article 19(1) of the FSMA 2000 (Financial Promotion) Order 2005 and (b) persons to whom it may otherwise lawfully be communicated (together "relevant persons"). Any investment or investment activity to which this document relates is available only to and will be engaged in only with, relevant persons. Any person who is not a relevant person should not act or rely on this guide or any of its contents.

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System response times may vary for a number of reasons including market conditions, trading volumes and system performance.