



MiFID II/R

# Pre- & Post-trade Market Data File Specifications

August 2021



**LUXEMBOURG**  
STOCK EXCHANGE

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# Document purpose & content

# 1

## A Document purpose

Within the framework of MiFID II/R<sup>1</sup>, the purpose of this document is to describe the business and technical specifications for the pre- and post-trade market data files provided by the Luxembourg Stock Exchange (LuxSE) and available free of charge for non-commercial use to individual customers. In case of redistribution (e.g. dissemination, display, sell), LuxSE can charge the customers. Therefore, in this latter case, customers must contact LuxSE and consult the price list.

## B Document content

This document describes the content of the pre- and post-trade market data files (pre-trade file updated after every order event with a 15 minutes delay, and post-trade file updated after every transaction with a 15 minutes delay), provide business definitions of each field as well as a business description of the values found in each field. The file descriptions are divided into three parts:

1. The first part is dedicated to the business specification of the files in order to explain the meaning of each field and the possible values when applicable.
2. The second part is dedicated to the technical specification, describing the value data type, format and size.
3. The third part explains the process execution of the file download.

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<sup>1</sup> Directive 2014/65/EU and Regulation (EU) No 600/2014 of the European Parliament and of the Council of 15 May 2014 on markets in financial instruments (MiFID II/R).

# File Content – Pre-trade market data

# 2

## Summary

The pre-trade market data file is composed by one CSV file and is available free of charge for non- commercial purposes to individual customers. The file is updated 15 minutes after every order event and keeps the record active until the next more recent order is available; in case of lack of such update, until midnight of the following business day.

The file is available for download on the Market Data & News section of the LuxSE's website.

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# File Content – Pre-trade market data

# 2

## Pre-trade market data report

### Business specification

The pre-trade market data report includes the most recent Best Bid-Ask orders and the related information for all instruments where available.

### Technical specification

FIELD NAME	FIELD DESCRIPTION	TYPE	SIZE
<i>Order_update_Date_Time</i>	Date and time when the Best Bid-Ask has been updated last time	DATE_TIME (UTC)	24
<i>Instrument_ID_Type</i>	Code type used to identify the financial instrument	A	4
<i>ISIN</i>	International Securities Identification Number (ISO 6166) - Code used to identify the financial instrument (12 digit code)	AN	12
<i>Instrument Name</i>	The name of the instrument	A	
<i>Best Bid_Price</i>	Best Bid price	N	
<i>Best Bid_Quantity</i>	The number of units available on the Best Bid level of the financial instrument	N	
<i>Best Bid nr of orders</i>	The number of orders available on the Best Bid level of the financial instrument	N	
<i>Best Ask_Price</i>	Best Ask price	N	
<i>Best Ask Quantity</i>	The number of units available on the Best Ask level of the financial instrument	N	
<i>Best Ask nr of orders</i>	The number of orders available on the Best Ask level of the financial instrument	N	
<i>Price_Currency</i>	Currency in which the price is expressed (applicable if the price is expressed as monetary value) (3-letter currency code, as defined by ISO 4217 currency codes)	A	3
<i>Price_Notation</i>	Indication as to whether the price is expressed in monetary value, in percentage or in yield (MONE - Monetary value; PERC - Percentage; YIEL - Yield)	A	
<i>Execution_Venue</i>	Identification of the venue where the transaction was executed: Market Identifier Code (MIC - ISO 10383). XLUX - Luxembourg Stock Exchange (Regulated Market); EMTF - Euro MTF	XLUX/EMTF	4

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# File Content – Pre-trade market data

# 2

## Process execution

The pre-trade market data file is available 24/7, 365 days per year. The file is updated 15 minutes after every order event and keeps the record active until the next more recent order is available; in case of lack of such update, until midnight of the following business day. The pre-trade market data file is available in CSV format.

The file is available for download on the Market Data & News sections of LuxSE's website.

The customer must complete a simple registration form in order to have the download link of the file. The required information in this registration form: First name, Last name, e-mail address.

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# File Content – Post-trade market data

# 3

## Summary

The post-trade market data file is composed by one CSV file and is available free of charge for non-commercial purposes to individual customers. The file is updated 15 minutes after every transaction and keeps the record active until midnight of the following business day.

The file is available for download on the Market Data & News section of the LuxSE's website.

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# File Content – Post-trade market data

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## Post-trade market data report

### Business specification

The post-trade market data report includes the most recent trades.

### Technical specification

FIELD NAME	FIELD DESCRIPTION	TYPE	SIZE
<i>Trading_Date_Time</i>	Date and time when the transaction was executed	DATE_TIME (UTC)	27
<i>Instrument_ID_Type</i>	Code type used to identify the financial instrument	A	4
<i>ISIN</i>	International Securities Identification Number (ISO 6166) - Code used to identify the financial instrument (12 digit code)	AN	12
<i>Traded_Price</i>	Price of the transaction	N	
<i>Traded_Quantity</i>	The number of units traded of the financial instrument	N	
<i>Notional_Amount</i>	The nominal size traded	N	
<i>Notional_Currency</i>	Currency in which the notional is denominated (3-letter currency code, as defined by ISO 4217 currency codes)	A	3
<i>Price_Currency</i>	Currency in which the price is expressed (applicable if the price is expressed as monetary value) (3-letter currency code, as defined by ISO 4217 currency codes)	A	3
<i>Price_Notation</i>	Indication as to whether the price is expressed in monetary value, in percentage or in yield (MONE - Monetary value; PERC - Percentage; YIEL - Yield)	A	
<i>Execution_Venue</i>	Identification of the venue where the transaction was executed: Market Identifier Code (MIC - ISO 10383). XLUX - Luxembourg Stock Exchange (Regulated Market); EMTF - Euro MTF	XLUX/EMTF	4
<i>Publication_Date_Time</i>	Date and time when the transaction was published	DATE_TIME (UTC)	27
<i>Transaction_ID_Code</i>	Alphanumeric code assigned (pursuant to Article 12 of Commission Delegated Regulation (EU) 2017/580)	AN Format <sup>1</sup> : Execution ID + ISIN	27
<i>MIFID_II_Trade_Flag</i>	Flags for the purpose of post-trade transparency (pursuant to Table 4 of Annex I of Commission Delegated Regulation (EU) 2017/587 and to Table 3 of Annex II of Commission Delegated Regulation (EU) 2017/583)	A	4
<i>Transaction_to_be_cleared</i>	Code to identify whether the transaction will be cleared (true - transaction to be cleared; false - transaction not to be cleared) Field applicable to derivative instruments; else blank	TRUE/FALSE	12

<sup>1</sup> The current TVTIC is the concatenation of: The Execution ID (no left padding of 0s) and the instrument ISIN code (12 characters).

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# Process execution

# 3

## Process execution

The post-trade market data file is available 24/7, 365 days per year. The data is updated 15 minutes after every transaction and records are kept active until midnight of the following business day. The post-trade market data file is available in CSV format.

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# Contacts

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**Contacts**

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## CONTACTS

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## MARKET DATA FOR COMMERCIAL PURPOSES

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