

MIT305 FTP SERVICES MARKET REFERENCE DATA

Issue 14.2 · September 2021



BORSA ITALIANA

MIT305.....	1
FTP SERVICES	1
MARKET REFERENCE DATA Issue 14.1 ·March 2021	1
1 Introduction	4
1.1 Purpose	4
1.2 Readership	4
1.3 Document series	4
1.4 Document History	5
1.5 Enquiries	14
2 Market Reference Data	15
2.1 Calendar and Service hours	15
2.2 Access to the service	15
2.3 Service features	15
2.4 Data layout.....	16
2.5 Record Layout INSTR_REFDATA_MTA_yyyymmdd.csv	17
2.6 Record Layout INSTR_REFDATA ETF_yyyymmdd.csv	25
2.7 Record Layout INSTR_REFDATA_TAH_yyyymmdd.csv	25
2.8 Record Layout INSTR_REFDATA_MOT_yyyymmdd.csv	26
2.9 Record Layout INSTR_REFDATA_SEDEX_yyyymmdd.csv.....	33
2.10 Field value codes.....	41
2.10.1 Market Type	41
2.10.2 Segment and Sector Type	41
2.10.3 SecurityType	47
2.10.4 SecuritySubType.....	48
2.10.5 SecuritySubSubType	50
2.10.6 Ex Marker Code	51
2.10.7 Settlement System.....	52
2.10.8 Underlying Type.....	53
2.10.9 Option Style	53
2.10.10 Price Format	54

2.10.11 Market Data Group (Production).....	62
2.10.12 MIC Code	63
2.10.13 CCP Code	64

1 INTRODUCTION

The FTP Service "Markets Reference Data" provides a free daily service for all customers directly connected to Borsa Italiana markets on the Millennium Exchange platform (MIT).

1.1 Purpose

The scope of this document is to provide all the technical detailed information necessary for connecting to the FTP Services and downloading the data to the participant's sites.

1.2 Readership

This document outlines the detailed message types and fields for the Market Reference Data feed.

When read in conjunction with the other Millennium Exchange guides, it is intended that these documents provide all of the details directly connected Borsa Italiana customers require to develop to the new services.

This document is particularly relevant to technical staff within Borsa Italiana's member firms, information vendors and other market participants interested in receiving Borsa Italiana market data.

1.3 Document series

This document is part of a series of documents which provide an overview of the trading and information services available from the Borsa Italiana post the migration to Millennium Exchange.

For reference the full range of documents can be found at the following link:

<https://www.borsaitaliana.it/borsaitaliana/gestione-mercati/migrazionemillenniumit-mit/millenniumitmigration.en.htm>

Group Ticker Plant

The full current versions of Group ticker plant documents can be found at:

<http://www.londonstockexchange.com/products-and-services/millennium-exchange/documentation/documentation.htm>

This series principally covers non-regulatory information and does not override or supersede the Rules of Borsa Italiana Exchange.

1.4 Document History

This document has been through the follow iterations:

Issue	Date	Description
1.0	August 2011	First issue of this document published via the Borsa Italiana's website and distributed to customers.
2.0	September 2011	Updated version of this document published via the Borsa Italiana's website and distributed to customers. The changes are applied in the following sections: 2.3. 2.5. 2.8. 2.9. 2.10. 2.11.1. 2.11.2. 2.11.3. 2.11.5. 2.11.9 Added the following sections: 2.6
3.0	December 2011	Updated version of this document published via the Borsa Italiana's website and distributed to customers. The changes are applied in the following sections:

		2.5. 2.8. 2.9. 2.11.2. 2.11.5
3.1	February 2012	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 2.8</p>
3.2	March 2012	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 2.5. 2.8. 2.9</p>
4.0	March 2012	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 2.5. 2.8. 2.9. 2.11.9</p>
4.1	May 2012	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 1.3</p>
4.2	May 2012	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections:</p>

		2.11.1
5.0	June 2012	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 2.11.2</p>
5.1	September 2012	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 1.3. 2.5. 2.8. 2.9. 2.11.2. 2.11.4</p>
5.2	October	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 2.11.2</p>
5.3	November 2012	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 2.11.2</p>
6.0	January 2013	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections:</p>

		2.11.1. 2.11.2. 2.11.3. 2.11.4 (MAC removed)
6.1	June 2013	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 2.11.2</p>
6.2	September 2013	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 2.11.3. 2.11.4</p>
6.3	March 2014	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 2.5. 2.11.2. 2.11.9</p>
6.4	July 2014	<p>Updated version of this document published via the Borsa Italiana's website and distributed to customers.</p> <p>The changes are applied in the following sections: 2.5</p>
6.5	August 2014	<p>The changes are applied in the following sections: 2.5. 2.8. 2.9</p>
6.6	September 2014	<p>The changes are applied in the following sections:</p>

		2.11.4
6.7	September 2014	The changes are applied in the following sections: 2.8
6.8	September 2014	The changes are applied in the following sections: 1 Removed the following section: 3 "FTSE Files Dissemination Service"
6.9	October 2014	The changes are applied in the following sections: 1. 2.11.9. 2.11.10.
6.10	February 2015	The changes are applied in the following sections: 2.5. 2.8. 2.9. 2.10
6.11	April 2015	The changes are applied in the following sections: 2.11.4. 2.11.6
6.12	May 2015	The changes are applied in the following sections: 2.9
7.0	June 2015	The changes are applied in the following sections: 2.5. 2.8. 2.9. 2.11.2

7.01	August 2015	The changes are applied in the following sections: 2.5
7.02	September 2015	The changes are applied in the following sections: 2.3
7.03	October 2015	The changes are applied in the following sections: 2.11.4
7.04	May 2016	The changes are applied in the following sections: 2.11.1. 2.11.2. 2.11.3. 2.11.4. 2.11.9. 2.11.10
8.00	May 2016	The changes are applied in the following sections: 1.3. 1.5. 2.5. 2.8. 2.9.
8.1	September 2016	The changes are applied in the following sections: 2.11.2. 2.11.9
8.2	January 2017	The changes are applied in the following sections: 2.11.9
8.3	April 2017	The changes are applied in the following sections: 2.11.4

8.4	May 2017	The changes are applied in the following sections: 2.11.4
8.5	June 2017	The changes are applied in the following sections: 2.11.2
8.6	June 2017	The changes are applied in the following sections: 2.11.8
9.0	July 2017	The changes are applied in the following sections: 2.5, 2.8, 2.9, 2.10.3, 2.10.9
9.1	July 2017	The changes are applied in the following sections: 2.3, 2.5, 2.8, 2.9, 2.10.9, 2.10.11
9.2	September 2017	The changes are applied in the following sections: 2.5, 2.8, 2.9, 2.10.3
9.3	November 2017	The changes are applied in the following sections: 2.5, 2.8, 2.9
9.4	February 2018	The changes are applied in the following sections: 2.5, 2.8, 2.9, 2.10.3, 2.10.4, 2.10.11

9.5	June 2018	The changes are applied in the following sections: 2.10.1, 2.10.11
10.0	June 2018	The changes are applied in the following sections: 2.5, 2.8, 2.9, 2.10.12
11.0	July 2018	The changes are applied in the following sections: 2.9, 2.10.3, 2.10.5
11.1	September 2018	The changes are applied in the following sections: 2.9, 2.10.5 Updates according to changes of 9.6 version.
11.2	November 2018	The changes are applied in the following sections: 2.5, 2.8, 2.9
12.0	December 2018	The changes are applied in the following sections: 2.8
13.0	March 2019	The changes are applied in the following sections: 2.9 and 2.10.2
13.1	May 2019	The changes are applied in the section 2.10.4

13.2	June 2019	The changes are applied in the section: 2.10.1, 2.10.2, 2.10.3, 2.10.4, 2.10.12
13.3	December 2019	The changes are applied in the sections: 2.5 footnotes on page 14 and 15; 2.10.13
14.0	August 2020	The changes are applied in the section: 2.5, 2.6, 2.8 and 2.9
14.1	March 2021	The changes are applied in the section: 1.5, 2.4, 2.10.4 and 2.10.5
14.2	Septembre 2021	The changes are applied in the section: 2.3, 2.10.1, 2.10.2, 2.10.3, 2.10.4, 2.10.10 and 2.10.12

In subsequent issues, where amendments have been made to the previous version, these changes will be identified using a series of red side bars as illustrated opposite.

1.5 Enquiries

Please contact either Client Technology Services Italy if you have any functional questions about the Millennium Exchange services outlined in this document.

Client and Market Services Team

- Customer Relationship Management

+39 02 72 42 6 512

Clients-Services@borsaitaliana.it

- Market Access (configurations, enablements, conformance tests, etc.)

+39 02 72 42 6 668

market-access@borsaitaliana.it

- Client Support (customer support desk)

Toll Free: 0080026772000 - From mobile: +39 02 45411399

Client-Support@borsaitaliana.it

2 MARKET REFERENCE DATA

2.1 Calendar and Service hours

Market Reference Data files are available on published trading days. This data will be available starting from 06:00 a.m. local market time.

2.2 Access to the service

The Group will provide username and password information to each Client, which will be required to download reference data.

2.3 Service features

The service provides a number of separate full market reference data files needed to provide all the necessary data for Italian markets on the Millennium Exchange.

MARKET	FILE NAME
MTA (EURONEXT MILAN) EGM (EURONEXT GROWTH MILAN) MIV (EURONEXT MIV MILAN)	INSTR_REFDATA_MTA_yyyymmdd.csv
ETF (Exchanged Traded Funds) ATF	INSTR_REFDATA_ETF_yyyymmdd.csv
MOT (Italian Bond and Euro Bond) ExtraMOT	INSTR_REFDATA_MOT_yyyymmdd.csv
SeDeX (Italian Securitised Derivatives Market)	INSTR_REFDATA_SEDEX_yyyymmdd.csv
Trading After Hours	INSTR_REFDATA_TAH_yyyymmdd.csv

Each file contains one record for each financial instrument traded.

Moreover market reference data files are accompanied by checksum files which could be used to verify each file consistency.

Checksum file has the same name of the corresponding reference data file, with an additional suffix "md5" placed at the end of file name eg. INSTR_REFDATA_MTA_yyyymmdd.csv.md5.

Each checksum file contains a single row representing the md5sum value calculated upon the whole file.

2.4 Data layout

The files are created in accordance with the following specifications:

File format	Csv
Fields delimiter	; (semicolon)
Decimal symbol	. (point)
Digit grouping symbol (thousands separator)	none
Date fields format	yyyymmdd
End of line	"\r\n" CRLF windows end of line (carriage return and line feed)

The fields length is variable. Moreover the maximum length for the field is defined in the datatype column of the tables below.

2.5 Record Layout

INSTR_REFDATA_MTA_yyyymmdd.csv

Field Name	Datatype	Values Description
tradingDate	number int8	Trading day in YYYYMMDD format
isinCode	char(12)	Instrument ISIN code
countryOfRegister	char(2)	Country of Register
currencySign	char(3)	Trading currency applied
SegmentId	char(4)	Identifies the segment within the market. see
SectorId	char(4)	Identifies the sector related to a specific segment. see Segment and Sector Type
MarketId	number int3	Market identifier value. see MarketType
securityDescription	char(40)	Security description
shortName	char(15)	Obsolete field maintained for compatibility.
TIDM	char(4)	Obsolete field maintained for compatibility. (TradElect code that is used to identify a tradable instrument)
securityCode	char(6)	Alphanumeric security code
securitySubtype	number int3	Security subtype. see SecuritySubType
securityType	char(2)	Security type. see SecurityType
minimumLot	number 16int 4d	Indicates the minimum quantity/nominal value tradable on the market for a security
minimumSize	number 16int 4d	Gives the minimum size of an order that may be submitted. If the Minimum Size is set to zero the minimum order size is determined by the Lot Size
MinDisclosedVal	number 19int 4d	Used to specify the minimum value of an iceberg peak for an instrument

Field Name	Datatype	Values Description
exchangeMarketSize	number 12int	The Exchange Market Size (EMS) is set to define (according to the rules defined in the "Guide to Parameters", where relevant) the maximum order size and the quantity obligation for market makers ¹ .
securityMaximumSpread ²	number 10int 8d	This field informs Participants of the maximum spread allowable for an instrument when submitting quote messages. Clculated as a percentage of mid-price
priceFormatCode	char(20)	A code which identifies the valid format in which prices can be entered/displayed. see -
listingStartDate	number 8int	Listing start date in the YYYYMMDD format
listingEndDate	number 8int	Listing start date in the YYYYMMDD format Set only after instrument revocation has been communicated
expirationDate	number 8int	Expiration date in the YYYYMMDD format
dirtyCleanPrice	char(8)	Not used (always Null)
numberOfSharesInCirculation	number 16int	Indicates the number of shares which constitute the share capital. This value is set for shares only
afterHoursTradingFlag	char(1)	Indicates whether a security is traded on the TAH: - Y - N
strikePrice	number 9int 4d	Strike price (exercise price for warrants)
underlyingISINCode	char(12)	Underlying ISIN code (set for warrants only)
underlyingSecurityCode	char(6)	Alphanumeric Underlying security

¹ This field doesn't define quantity obligation for Market Makers in INSTR_REFDATA ETF.

² This field is always populated to 0 and should not be considered to define the maximum spread allowable.

Field Name	Datatype	Values Description
		code (set for warrants only)
underlyingType	number 3int	Type of the underlying. see underlyingType (set for warrants only)
underlyingDescription	char(50)	Underlying description (set for warrants only)
underlyingTIDM	char(4)	Obsolete field maintained for compatibility. (TradElect code that is used to identify an underlying instrument. It is set for warrants only)
settlementSystem	char(2)	Settlement system type. see settlementSystem
settlementDate	number 8int	Settlement date in the YYYYMMDD format
lastValidityDate	number 8int	Last validity date in the YYYYMMDD format
prevDayOfficialPrice ²	number 10int 8d	Official price of a security determined at closure of the previous day's session.
prevDayRefPrice ³	number 10int 8d	Reference price of a security determined at closure of the session from the previous day. It should be noted that in case of a corporate action the Official price is adjusted applying the K-coefficient determined by the Exchange (if available). No other events (such coupon payment, ordinary dividend payment etc) are taken in account.
lastPriceInPrecedingSession ⁴	number 10int 8d	Last trade's execution price in a session prior to the current day's session
lastPriceInPrecedingSessionDate	number 8int	Last trade's execution day in the YYYYMMDD format
exMarkerCode1	char(2)	The value of an Ex-Marker. see exMarkerCode

² This field is always populated to 1 in case of ATFUND

³ This field is always populated to 1 in case of ATFUND

⁴ This field is always populated to 1 in case of ATFUND

Field Name	Datatype	Values Description
exMarkerCode2	char(2)	Obsolete field maintained for compatibility. (The value of an Ex-Marker. see exMarkerCode)
exMarkerCode3	char(2)	Obsolete field maintained for compatibility. (The value of an Ex-Markers see exMarkerCode)
commodityGroup	number(6)	Note : for future uses. currently not managed
issuerDescription	char(100)	Issuer description
InstrumentId	char(11)	Instrument ID. unique instrument identifier across the MIT system
TradingAllowed	number 2int	Indicates whether the market which the instrument belongs to is open or not on current tradingDate: - 0 NotTraded (as the market is closed or the instrument is non negotiable in the current trading day) - 1 Traded (as the market is open)
SettlementCycle	number 9int	The number of business days for settlement
ClearingType	number 2int	Indicates whether the instrument is cleared or not: - 1 Cleared - 2 Not Cleared
LoadId	number 9int	Load Id on MIT system
MarketDataGroup	char(1)	Multicast Channel ID on MIT system
UnderlyingInstrumentId	char(11)	Code that is used to identify an underlying instrument (set for warrants only)
MaximumQuantityEMSMultiplier	number 12int	Used to specify the maximum size of an order for an instrument in conjunction with EMS
BTFBidAskSpreadPercentage	number 3int 2d	Indicates the Tolerance Percentage for the BTF
MinBTFVal	number 30int 10d	Used to specify the minimum value of a BTF for an instrument
CalendarCode	char(6)	Unique code used to identify the calendar listed in MIT308 file.

Field Name	Datatype	Values Description
MaximumCrossQuantityEMSMultiplier	number 12int	Used to specify the maximum size of a Cross/BTF order for an instrument in conjunction with EMS
RefPriceAllowancePercentage	number 3int 2d	Indicates the allowance to be applied to the reference price (which is Last trade price or Previous Close) to validate cross orders. If set to zero should be disregarded
MinRFQVal	number 30int 10d	Used to specify the minimum value of a RFQ for an instrument
RFQExecPriceDevPerc3	number 3int 8d	Defines the percentage deviation allowed from bid/ask prices, LTP or previous close price of the normal book when accepting quote responses for RFQs. When this parameter is set to null, the spread validation should be turned off. When this parameter is set to 0 , the RFQ execution price should be validated against the bid/ask price or LTP or previous close price of the normal book without any deviation. Up to 8 decimal places supported. Since this is a percentage maximum of 2 digits should be supported as the whole number.
PvtRFQAnonymity ⁴	char(20)	Indicates the allowed RFQ model: - NAMED - ANONYMOUS - BOTH
PvtRFQDuration	number 10int	Indicated maximum allowed duration of the private quote negotiation process specified in

³ RFQPriceDevPerc field has been replaced by new field RFQExecPriceDevPerc.

⁴ This is applicable only for Manual RFQ for ETF.

Field Name	Datatype	Values Description
		seconds.
MaxQtyRFQEMSMultiplier	number 20int 10d	Used to specify the maximum size of a RFQ for an instrument in conjunction with EMS.
MaxNumMM	number 10int	Indicates the maximum number of market makers (Firm Ids) allowed in a single private RFQ under the named model.
CrossOrders	number 3int	Indicates whether Cross orders are enabled or not: - 0 Disabled - 1 Enabled
BTFOrders	number 3int	Indicates whether BTF orders are enabled or not: - 0 Disabled - 1 Enabled
Liquidity	number 3int	Indicates whether the instrument is liquid or not: - 0 Illiquid - 1 Liquid - 2 Not Applicable
MinIcebergVal	number 19int 4d	Used to specify the minimum total value of an iceberg order for an instrument
MaxBTFVal	number 30int 10d	Used to specify the maximum value of a BTF for an instrument
MaxCrossVal	number 30int 10d	Used to specify the maximum value of a Cross for an instrument
MaxRFQVal	number 30int 10d	Used to specify the maximum value of a RFQ for an instrument
MaxOrderVal	number 30int 10d	Used to specify the maximum value of an order for an instrument
PreTradeLIS	number 15int	Used to specify the LIS thresholds for an instrument.
MinThldNPT	number 15int	Gives the minimum value of an RFQ starting from which no pre-trade transparency model (NPT) is applied.
MinThldPPT	number 15int	Gives the minimum value of an RFQ starting from which partial pre-trade transparency model (PPT) is applied, up to the MinThldNPT.
PriceNotation	number 3int	Indication as to whether the price is expressed in monetary value, in

Field Name	Datatype	Values Description
		percentage or in yield: - 0 MONE - 1 PERC - 2 YIEL
NotionalCurrency	char(3)	Currency in which the notional is denominated.
DenominatedParVal	number 30int 10d	Indicates the nominal value
CodMIC	char(4)	Identifies the MIC code. see MIC Code
TradingFlag	char(1)	Indicates whether a security is traded (listingEndDate of instrument is not elapsed): - Y - N
CCPConfigTable	char(30)	Indicates the CCP table. See CCP Code Applicable for Cleared Securities only.
MMQuotePriceDevPerc	number 3int 8d	Defines the percentage deviation allowed from bid/ask prices, LTP or previous close price of the normal book when accepting quotes . When this parameter is set to null, the spread validation should be turned off. When this parameter is set to 0 , the limit price of the quote should be validated against the bid/ask price or LTP or previous close price of the normal book without any deviation. Up to 8 decimal places supported. Since this is a percentage maximum of 2 digits should be supported as the whole number previous close price of the normal book to validate quotes and quote responses for RFQs.
MinAucRFQQuoteValue	number 15int 0d	Defines the minimum value allowed for quotes in response to an auction RFQ . If the RFQ's value is less than the value set in this parameter, then the quote

Field Name	Datatype	Values Description
		<p>value is not validated against the parameter.</p> <p>When this parameter is set to 0 or not set, the quote value validation for quotes in response to an auction RFQ will be switched off.</p> <p>Negative values will not be allowed for the field.</p> <p>The value will be in the trading currency of the instrument</p>

2.6 Record Layout

INSTR_REFDATA_ETF_yyyymmdd.csv

Same layout as feed INSTR_REFDATA_MTA_yyyymmdd.csv.

2.7 Record Layout

INSTR_REFDATA_TAH_yyyymmdd.csv

Same layout as feed INSTR_REFDATA_MTA_yyyymmdd.csv.

2.8 Record Layout

INSTR_REFDATA_MOT_yyyymmdd.csv

Field Name	Datatype	Values Description
tradingDate	number int8	Trading day in YYYYMMDD format
isinCode	char(12)	Instrument ISIN code
countryOfRegister	char(2)	Country of Register
currencySign	char(3)	Trading currency applied
SegmentId	char(4)	Identifies the segment within the market. see
SectorId	char(4)	Identifies the sector related to a specific segment. see Segment and Sector Type
MarketId	number int3	Market identifier value. see MarketType
securityDescription	char(40)	Security description.
shortName	char(15)	Obsolete field maintained for compatibility.
TIDM	char(4)	Obsolete field maintained for compatibility. (TradElect code that is used to identify a tradable instrument)
securitySubtype	number int3	Security subtype. see securitySubType
securityType	char(2)	Security type. see see SecurityType
minimumLot	number 16int 4d	Indicates the minimum quantity/nominal value tradable on the market for a security
minimumSize	number 16int 4d	Gives the minimum size of an order that may be submitted. If the Minimum Size is set to zero the minimum order size is determined by the Lot Size
MinDisclosedVal	number 19int 4d	Used to specify the minimum value of an iceberg peak for an instrument
exchangeMarketSize	number 12int	The Exchange Market Size (EMS) is set to define (according to the rules defined in the "Guide to Parameters", where relevant) the maximum order size and the

Field Name	Datatype	Values Description
		quantity obligation for market makers
securityMaximumSpread ⁵	number 10int 8d	This field informs Participants of the maximum spread allowable for an instrument when submitting quote messages. calculated as a percentage of mid-price
priceFormatCode	char(20)	A code which identifies the valid format in which prices can be entered/displayed. see -
listingStartDate	number 8int	Listing start date in the YYYYMMDD format
listingEndDate	number 8int	Listing start date in the YYYYMMDD format Set only after instrument revocation has been communicated
expirationDate	number 8int	Expiration date in the YYYYMMDD format
dirtyCleanPrice	char(8)	Dirty/Clean price (TIPO CORSO): - SECCO (Ex-Coupon) - TEL QUEL (Cum-Coupon)
grossSettlementIndicator	char(1)	This group defines literals defining whether a MOT instrument is settled in gross or not: - Y - N or "Blank"
issuePrice	number 3int 5d	Not used (always Null)
settlementSystem	char(2)	Settlement system type. see settlementSystem
settlementDate	number 8int	Settlement date in the YYYYMMDD format
lastValidityDate	number 8int	Last validity date in theYYYYMMDD format
prevDayOfficialPrice	number 10int 8d	Official price of a security determined at closure of the previous day's session.
prevDayRefPrice	number 10int	Reference price of a security

⁵ This field is always populated to 0 and should not be considered to define the maximum spread allowable.

Field Name	Datatype	Values Description
	8d	determined at closure of the session from the previous day. It should be noted that in case of a corporate action the Official price is adjusted applying the K-coefficient determined by the Exchange (if available). No other events (such as coupon payment, ordinary dividend payment etc) are taken in account.
lastPriceInPrecedingSession	number 10int 8d	Last trade's execution price in a session prior to the current day's session
lastPriceInPrecedingSessionDate	number 8int	Last trade's execution day in the YYYYMMDD format
timeToMaturity	char(6)	Time to maturity (vita residua titolo)
originalTimeToMaturity	char(6)	Not used (always Null)
Poolfactor	number 5int 15d	Current pool factor
exMarkerCode1	char(2)	The value of an Ex-Marker. see exMarkerCode
exMarkerCode2	char(2)	Obsolete field maintained for compatibility. (The value of an Ex-Marker. see exMarkerCode)
exMarkerCode3	char(2)	Obsolete field maintained for compatibility. (The value of an Ex-Marker. see exMarkerCode)
"Dummy" currencySign	char(3)	Obsolete field maintained for compatibility.
issuerDescription	char(100)	Issuer description
InstrumentId	char(11)	Instrument ID. unique instrument identifier across the MIT system
TradingAllowed	number 2int	Indicates whether the market which the instrument belongs to is open or not on current tradingDate: - 0 NotTraded (as the market is closed) - 1 Traded (as the market is open)
SettlementCycle	number 9int	The number of business days for settlement
ClearingType	number 2int	Indicates whether the instrument is

Field Name	Datatype	Values Description
		cleared or not: - 1 Cleared - 2 Not Cleared
LoadId	number 9int	Load Id on MIT system
MarketDataGroup	char(1)	Multicast Channel ID on MIT system
Coupon	number 3int 8d	Current (most recent) coupon
InverseOrderBook	number 2int	Values: - 0 No - 1 Yes
MaximumQuantityEMSMultiplier	number 12int	Used to specify the maximum size of an order for an instrument in conjunction with EMS
BTFBidAskSpreadPercentage	number 3int 2d	Indicates the Tolerance Percentage for the BTF
MinBTFVal	number 30int 10d	Used to specify the minimum value of a BTF for an instrument
CalendarCode	char(6)	Unique code used to identify the calendar listed in MIT308 file.
MaximumCrossQuantityEMSMultiplier	number 12int	Used to specify the maximum size of a Cross/BTF order for an instrument in conjunction with EMS
RefPriceAllowancePercentage	number 3int 2d	Indicates the allowance to be applied to the reference price (which is Last trade price or Previous Close) to validate cross orders.
MinRFQVal	number 30int 10d	Used to specify the minimum value of a RFQ for an instrument
RFQExecPriceDevPerc ⁵	number 3int 8d	Defines the percentage deviation allowed from bid/ask prices, LTP or previous close price of the normal book when accepting quote responses for RFQs. When this parameter is set to null, the spread validation should be turned off. When this parameter is set to 0 , the RFQ execution price should be

⁵ RFQPriceDevPerc field has been replaced by new field RFQExecPriceDevPerc.

Field Name	Datatype	Values Description
		<p>validated against the bid/ask price or LTP or previous close price of the normal book without any deviation.</p> <p>Up to 8 decimal places supported.</p> <p>Since this is a percentage maximum of 2 digits should be supported as the whole number.</p>
PvtRFQAnonymity	char(20)	<p>Indicates the allowed RFQ model:</p> <ul style="list-style-type: none"> - NAMED - ANONYMOUS - BOTH
PvtRFQDuration	number 10int	Indicated maximum allowed duration of the private quote negotiation process specified in seconds.
MaxQtyRFQEMSMultiplier	number 20int10d	Used to specify the maximum size of a RFQ for an instrument in conjunction with EMS.
MaxNumMM	number 10int	Indicates the maximum number of market makers (Firm Ids) allowed in a single private RFQ under the named model.
CrossOrders	number 3int	<p>Indicates whether Cross orders are enabled or not:</p> <ul style="list-style-type: none"> - 0 Disabled - 1 Enabled
BTFOrders	number 3int	<p>Indicates whether BTF orders are enabled or not:</p> <ul style="list-style-type: none"> - 0 Disabled - 1 Enabled
Liquidity	number 3int	<p>Indicates whether the instrument is liquid or not:</p> <ul style="list-style-type: none"> - 0 Illiquid - 1 Liquid - 2 Not Applicable
MinIcebergVal	number 19int 4d	Used to specify the minimum total value of an iceberg order for an instrument
MaxBTFVal	number 30int 10d	Used to specify the maximum value of a BTF for an instrument

Field Name	Datatype	Values Description
MaxCrossVal	number 30int 10d	Used to specify the maximum value of a Cross for an instrument
MaxRFQVal	number 30int 10d	Used to specify the maximum value of a RFQ for an instrument
MaxOrderVal	number 30int 10d	Used to specify the maximum value of an order for an instrument
PreTradeLIS	number 15int	Used to specify the LIS thresholds for an instrument.
MinThldNPT	number 15int	Gives the minimum value of an RFQ starting from which no pre-trade transparency model (NPT) is applied.
MinThldPPT	number 15int	Gives the minimum value of an RFQ starting from which partial pre-trade transparency model (PPT) is applied, up to the MinThldNPT.
PriceNotation	number 3int	Indication as to whether the price is expressed in monetary value, in percentage or in yield: - 0 MONE - 1 PERC - 2 YIEL
NotionalCurrency	char(3)	Currency in which the notional is denominated.
DenominatedParVal	number 30int 10d	Indicates the nominal value
CodMIC	char(4)	Identifies the MIC code. see MIC Code
TradingFlag	char(1)	Indicates whether a security is traded (listingEndDate of instrument is not elapsed): - Y - N
CCPConfigTable	char(30)	Indicates the CCP table. See CCP Code Applicable for Cleared Securities only.
MinRFQIncrement	number 12int	Gives the minimum increment size applicable for the Lot Size validation of RFQ/RFQ Quote. This will be equal or less than the value specified in MinimumLot field.

Field Name	Datatype	Values Description
MMQuotePriceDevPerc	number 3int 8d	<p>Defines the percentage deviation allowed from bid/ask prices, LTP or previous close price of the normal book when accepting quotes .</p> <p>When this parameter is set to null, the spread validation should be turned off.</p> <p>When this parameter is set to 0 , the limit price of the quote should be validated against the bid/ask price or LTP or previous close price of the normal book without any deviation.</p> <p>Up to 8 decimal places supported.</p> <p>Since this is a percentage maximum of 2 digits should be supported as the whole number previous close price of the normal book to validate quotes and quote responses for RFQs.</p>
MinAucRFQQuoteValue	number 15int 0d	<p>Defines the minimum value allowed for quotes in response to an auction RFQ . If the RFQ's value is less than the value set in this parameter, then the quote value is not validated against the parameter.</p> <p>When this parameter is set to 0 or not set, the quote value validation for quotes in response to an auction RFQ will be switched off.</p> <p>Negative values will not be allowed for the field.</p> <p>The value will be in the trading currency of the instrument</p>

2.9 Record Layout

INSTR_REFDATA_SEDEX_yyyymmdd.csv

Field Name	Datatype	Values Description
tradingDate	number int8	Trading day in YYYYMMDD format
isinCode	char(12)	Instrument ISIN code
countryOfRegister	char(2)	Country of Register
currencySign	char(3)	Trading currency applied
SegmentId	char(4)	Identifies the segment within the market. see
SectorId	char(4)	Identifies the sector related to a specific segment. see Segment and Sector Type
MarketId	Number int3	Market identifier value. see MarketType
securityDescription	char(40)	Security description.
shortName	char(15)	Obsolete field maintained for compatibility.
TIDM	char(4)	Obsolete field maintained for compatibility. (TradElect code that is used to identify a tradable instrument)
securityCode	char(6)	Alphanumeric security code
securitySubtype	number int3	Security subtype. see securitySubType
securityType	char(2)	Security type. see see SecurityType
minimumLot	number 16int 4d	Indicates the minimum quantity/nominal value tradable on the market for a security
minimumSize	number 16int 4d	Gives the minimum size of an order that may be submitted. If the Minimum Size is set to zero the minimum order size is determined by the Lot Size
MinDisclosedVal	number 19int 4d	Used to specify the minimum value of an iceberg peak for an instrument
exchangeMarketSize	number 12int	The Exchange Market Size (EMS) is set to define (according to the rules defined in the "Guide to Parameters", where relevant) the maximum order size.

Field Name	Datatype	Values Description
securityMaximumSpread ⁶	number 10int 8d	This field informs Participants of the maximum spread allowable for an instrument when submitting quote messages. calculated as a percentage of mid-price
priceFormatCode	char(20)	A code which identifies the valid format in which prices can be entered/displayed. see -
listingStartDate	number 8int	Listing start date in the YYYYMMDD format
listingEndDate	number 8int	Listing start date in the YYYYMMDD format Set only after instrument revocation has been communicated
expirationDate	number 8int	Expiration date in the YYYYMMDD format
numberOfSharesInCirculation	number 16int	Indicates the number of shares which constitute the share capital. This value is set for shares only
afterHoursTradingFlag	char(1)	Indicates whether a security is traded on the TAH": - Y - N
strikePrice	number 9int 4d	Strike price (exercise price for warrants)
leverageCertificatesBarrier	number 9int 6d	Leverage Certificates Barrier
optionStyle	char(1)	This instrument's option style. see _
Parity	number 12int 6d	The parity of the instrument
underlyingISINCode	char(12)	Underlying ISIN code
underlyingSecurityCode	char(6)	Alphanumeric Underlying security code
underlyingType	number 3int	Type of the underlying. see underlyingType
underlyingDescription	char(50)	Underlying description

⁶ This field is always populated to 0 and should not be considered to define the maximum spread allowable.

Field Name	Datatype	Values Description
underlyingTIDM	char(4)	Obsolete field maintained for compatibility. (TradElect code that is used to identify an underlying instrument)
settlementSystem	char(2)	Settlement system type. see settlementSystem
settlementDate	number 8int	Settlement date in the YYYYMMDD format
lastValidityDate	number 8int	Last validity date in theYYYYMMDD format
prevDayOfficialPrice	number 10int 8d	Official price of a security determined at closure of the previous day's session
prevDayRefPrice	number 10int 8d	Reference price of a security determined at closure of the session from the previous day. It should be noted that in case of a corporate action the Official price is adjusted applying the K-coefficient determined by the Exchange (if available). No other events (such coupon payment, ordinary dividend payment etc) are taken in account.
lastPriceInPrecedingSession	number 10int 8d	Last trade's execution price in a session prior to the current day's session
lastPriceInPrecedingSessionDate	number 8int	Last trade's execution day in the YYYYMMDD format
exMarkerCode1	char(2)	The value of an Ex-Marker. see exMarkerCode
exMarkerCode2	char(2)	Obsolete field maintained for compatibility. (The value of an Ex-Marker. see exMarkerCode)
exMarkerCode3	char(2)	Obsolete field maintained for compatibility. (The value of an Ex-Marker. See exMarkerCode)
issuerDescription	char(100)	Issuer description
InstrumentId	char(11)	Instrument ID. unique instrument identifier across the MIT system
TradingAllowed	number 2int	Indicates whether the market which the instrument belongs to is open or

Field Name	Datatype	Values Description
		not on current tradingDate: - 0 NotTraded (as the market is closed) - 1 Traded (as the market is open)
SettlementCycle	number 9int	The number of business days for settlement
ClearingType	number 2int	Indicates whether the instrument is cleared or not: - 1 Cleared - 2 Not Cleared
LoadId	number 9int	Load Id on MIT system
MarketDataGroup	char(1)	Multicast Channel ID on MIT system
UnderlyingInstrumentId	char(11)	Code that is used to identify an underlying instrument
MaximumQuantityEMSMultiplier	number 12int	Used to specify the maximum size of an order for an instrument in conjunction with EMS
BTFBidAskSpreadPercentage	number 3int 2d	Indicates the Tolerance Percentage for the BTF
MinBTFVal	number 30int 10d	Used to specify the minimum value of a BTF for an instrument
CalendarCode	char(6)	Unique code used to identify the calendar listed in MIT308 file.
IssuerClass	Char(100)	Product complexity level indicator. If blank this means that the field has not been populated.
MaximumCrossQuantityEMSMultiplier	number 12int	Used to specify the maximum size of a Cross/BTF order for an instrument in conjunction with EMS
RefPriceAllowancePercentage	number 3int 2d	Not used for SeDex Market (always set to zero).
MinRFQVal	number 30int 10d	Used to specify the minimum value of a RFQ for an instrument

Field Name	Datatype	Values Description
RFQExecPriceDevPerc ⁷	number 3int 8d	<p>Defines the percentage deviation allowed from bid/ask prices, LTP or previous close price of the normal book when accepting quote responses for RFQs.</p> <p>When this parameter is set to null, the spread validation should be turned off.</p> <p>When this parameter is set to 0 , the RFQ execution price should be validated against the bid/ask price or LTP or previous close price of the normal book without any deviation.</p> <p>Up to 8 decimal places supported.</p> <p>Since this is a percentage maximum of 2 digits should be supported as the whole number.</p>
PvtRFQAnonymity	char(20)	<p>Indicates the allowed RFQ model:</p> <ul style="list-style-type: none"> - NAMED - ANONYMOUS - BOTH
PvtRFQDuration	number 10int	Indicated maximum allowed duration of the private quote negotiation process specified in seconds.
MaxQtyRFQEMSMultiplier	number 20int10d	Used to specify the maximum size of a RFQ for an instrument in conjunction with EMS.
MaxNumMM	number 10int	Indicates the maximum number of market makers (Firm Ids) allowed in a single private RFQ under the named model.
CrossOrders	number 3int	<p>Indicates whether Cross orders are enabled or not:</p> <ul style="list-style-type: none"> - 0 Disabled

⁷ RFQPriceDevPerc field has been replaced by new field RFQExecPriceDevPerc.

Field Name	Datatype	Values Description
		- 1 Enabled
BTFOrders	number 3int	Indicates whether BTF orders are enabled or not: - 0 Disabled - 1 Enabled
Liquidity	number 3int	Indicates whether the instrument is liquid or not: - 0 Illiquid - 1 Liquid - 2 Not Applicable
MinIcebergVal	number 19int 4d	Used to specify the minimum total value of an iceberg order for an instrument
MaxBTFVal	number 30int 10d	Used to specify the maximum value of a BTF for an instrument
MaxCrossVal	number 30int 10d	Used to specify the maximum value of a Cross for an instrument
MaxRFQVal	number 30int 10d	Used to specify the maximum value of a RFQ for an instrument
MaxOrderVal	number 30int 10d	Used to specify the maximum value of an order for an instrument
PreTradeLIS	number 15int	Used to specify the LIS thresholds for an instrument.
MinThldNPT	number 15int	Gives the minimum value of an RFQ starting from which no pre-trade transparency model (NPT) is applied.
MinThldPPT	number 15int	Gives the minimum value of an RFQ starting from which partial pre-trade transparency model (PPT) is applied, up to the MinThldNPT.
PriceNotation	number 3int	Indication as to whether the price is expressed in monetary value, in percentage or in yield: - 0 MONE - 1 PERC - 2 YIEL

Field Name	Datatype	Values Description
NotionalCurrency	char(3)	Currency in which the notional is denominated.
CodMIC	char(4)	Identifies the MIC code. see MIC Code
CommoditiesDerivative	number 1int	Indicates the Venue internal classification of the instrument as a commodities derivative or not: - 1 True - 0 False
TradingFlag	char(1)	Indicates whether a security is traded (listingEndDate of instrument is not elapsed): - Y - N
CCPConfigTable	char(30)	Indicates the CCP table. See CCP Code Applicable for Cleared Securities only.
SecuritySubSubType	number 3int	Security subsubtype. See SecuritySubSubType ,
CommoditiesDerivative2	number 1int	Indicates the Venue internal classification of the instruments on physical commodities or indices/baskets on physical commodities (>50%), excluding instruments with underlying a commodity derivative: - 1 True - 0 False
SpecialistStatus	char(1)	Indicates how the Specialist has undertaken to submit quotes: - D Dual side - S Bid Only - Q Bid-only Quote driven (only Specialist on buy side ⁸)

⁸ Buy orders submitted by a participant other than the Specialist will be rejected.

Field Name	Datatype	Values Description
MMQuotePriceDevPerc	number 3int 8d	<p>Defines the percentage deviation allowed from bid/ask prices, LTP or previous close price of the normal book when accepting quotes .</p> <p>When this parameter is set to null, the spread validation should be turned off.</p> <p>When this parameter is set to 0 , the limit price of the quote should be validated against the bid/ask price or LTP or previous close price of the normal book without any deviation.</p> <p>Up to 8 decimal places supported.</p> <p>Since this is a percentage maximum of 2 digits should be supported as the whole number previous close price of the normal book to validate quotes and quote responses for RFQs.</p>
MinAucRFQQuoteValue	number 15int 0d	<p>Defines the minimum value allowed for quotes in response to an auction RFQ . If the RFQ's value is less than the value set in this parameter, then the quote value is not validated against the parameter.</p> <p>When this parameter is set to 0 or not set, the quote value validation for quotes in response to an auction RFQ will be switched off.</p> <p>Negative values will not be allowed for the field.</p> <p>The value will be in the trading currency of the instrument</p>

2.10 Field value codes

2.10.1 Market Type

MARKET ID	DESCRIPTION
1	MTA - EURONEXT MILAN
5	MOT - BONDS
8	SEDEX - SEDEX
11	BEM - BORSA ITALIANA EQUITY MTF
15	ETFP - ETF PLUS
17	EGM - EURONEXT GROWTH MILAN
18	MIV - EURONEXT MIV MILAN
19	EXTRAMOT
21	OFF-BOOK MARKET (MIFID POST TRADE TRANSPARENCY)
23	ATFUND
24	EXTRAMOT PRO ³

2.10.2 Segment and Sector Type

MARKET	SEGMENT CODE	SEGMENT DESCRIPTION	SECTOR CODE	SECTOR DESCRIPTION
MTA(EUR ONEXT MILAN) - MIV(EUR ONEXT MIV MILAN) - EGM(EUR ONEXT GROWTH MILAN)	MB1	MTA 1	I1RS	MTA - EURONEXT STAR MILAN
			I1S	MTA INSTRUMENTS
			I1X	MTA INSTRUMENTS NO MO
			IFMB	FTMIB SHARES
			IFMX	FTMIB SHARES NO MO
			I1V	MTA INSTRUMENTS IN PUBLIC OFFER
	MB2	MTA 2	I2S	MTA AUC INSTRUMENTS
			I2SX	MTA AUC

				INSTRUMENTS NO MO
	MB3	MTA 3	I3U	MTA UNEX RIGHTS
	MV1	MIV 1	IM1	MIV INSTRUMENTS
			IM1X	MIV INSTRUMENTS NO MO
			IM1V	MIV INSTRUMENTS IN PUBLIC OFFER
	MV2	MIV 2	IM2	MIV AUC INSTRUMENTS
			IM2X	MIV AUC INSTRUMENTS NO MO
	MV3	MIV 3	IM3U	MIV UNEX RIGHTS
	OP1	TAKE OVER BIDS	TOA	TOB ACCOUNTING
			TOR	TOB ROLLING
	MA1	EGM 1	AI1	EGM INSTRUMENTS
			AI1X	EGM INSTRUMENTS NO MO
			AI1V	EGM INSTRUMENTS IN PUBLIC OFFER
	MA2	EGM 2	AI2	EGM 1 AUC INSTRUMENTS
			AI2X	EGM 1 AUC INSTRUMENTS NO MO
	MA3	EGM 3	AIUR	EGM UNS. RIGHTS
ATFUND	ATF	ATF 1	ATFA	ETF AUCTION
ETFP	ETC	ETC 1	ETCA	ETC LEVERAGED X2
			ETCB	ETC NOT LEVERAGED
			ETCC	ETC LEVERAGED X3
	ETF	ETF 1	ETFA	ETF LINKED FIXED INCOME
			ETFB	ETF LINKED EQUITY/COMMODITI

				ES
			ETFC	ETF LINKED SHORT/STRUCT INDEX
			ETFD	ETF LINKED LEVERAGED
			ETFE	ETF STRUCTURED NOT LEVERAGED
			ETFF	ETF STRUCTURED LEVERAGED
			ETFG	NON-UCITS ETF
			ETFH	ETF ON SECURITIES BASKET
			ETFI	ACTIVE ETF
			ETFM	OTHER ETFS
			ETFP	ETF OF ETFS
	UTF	UTF 1	UTFA	UNREGULATED ETF
MOT – ExtraMOT - ExtraMOT PRO ³	DMO	ITALIAN GOVERNMENT BONDS	ICC	ITALIAN CORPORATE B.-CLEAN
			ICD	ITALIAN CORPORATE B.-DIRTY
			IGC	ITALIAN GOVERNMENT B.-CLEAN
			IGD	ITALIAN GOVERNMENT B.-DIRTY
			IGQ	ITALIAN GOVERNMENT BONDS IN PUBLIC OFFER
			CBQ	CORPORATE BONDS IN PUBLIC OFFER
	EMO	EUROMOT VANILLA BONDS	ESC	EUROMOT STRUCT B.-CLEAN
			ESD	EUROMOT STRUCT B.-DIRTY

			EVC	EUROMOT VANILLA B.-CLEAN
			EVD	EUROMOT VANILLA B.-DIRTY
			EBQ	EURO BONDS IN PUBLIC OFFER
	UMO	UNREGULATED STRUCTURED BONDS	USC	PROFESSIONAL BONDS (SETTLEMENT MONTE TITOLI)
			USD	PROFESSIONAL BONDS (SETTLEMENT EUROCLEAR/CLEARSTREAM)
			UVC	UNREGULATED VANILLA B.-CLEAN
			UVD	UNREGULATED VANILLA B.-DIRTY
			UBQ	EXTRAMOT BONDS IN PUBLIC OFFER
	OP2	TAKE OVER BIDS (MOT)	TORM	TOB ROLLING (MOT)
			TOAM	TOB ACCOUNTING (MOT)
SeDeX	SD	DOMESTIC SETTLED SEDEX	ICW	DOMESTIC SETTLED COVERED WARRANTS
			IEW	DOMESTIC SETTLED EXOTIC WARRANTS
			IIC	DOMESTIC SETTLED INVESTMENT CERTIFICATES
			ILC	DOMESTIC SETTLED LEVERAGED CERTIFICATES
			SDV	DOMESTIC SETTLED SECURITISED DERIVATIVES IN

				PUBLIC OFFER
			ICCB	DOMESTIC SETTLED INVESTMENT CERTIFICATES CLASS B
			LCCA	DOMESTIC SETTLED LEVERAGED CERTIFICATES CLASS A
	SDQ	FOREIGN SETTLED SEDEX	FIB	FOREIGN SETTLED INVESTMENT CERTIFICATES CLASS B
			FLA	FOREIGN SETTLED LEVERAGED CERTIFICATES CLASS A
			FCW	FOREIGN SETTLED COVERED WARRANTS
			FEW	FOREIGN SETTLED EXOTIC WARRANTS
			FI	FOREIGN SETTLED INVESTMENT CERTIFICATES
			FL	FOREIGN SETTLED LEVERAGED CERTIFICATES
			FSDV	FOREIGN SETTLED SECURITISED DERIVATIVES IN PUBLIC OFFER
BEM	TAH	TAH	TAH	TRADING AFTER HOUR
	MM1	BIT GEM	MTI	BIT GEM EQUITY
	TMM1	BIT GEM TAH	TMTI	BIT GEM EQUITY TAH

MIFID	MFD	MIFID	MFD	MIFID POST TRADE TRANSPARENCY
-------	-----	-------	-----	----------------------------------

2.10.3 SecurityType

MARKET	CODE	DESCRIPTION
MTA (EURONEXT MILAN) - MIV (EURONEXT MIV MILAN) - EGM (EURONEXT GROWTH MILAN) - BEM	IE	INTERNATIONAL EQUITY
	IT	ITALIAN EQUITY
	FS	FOREIGN SHARE
	CN	CONVERTIBLE BOND
	RT	RIGHT
	WR	WARRANT
	CF	CLOSED END FUND
	SV	SPECIAL VEHICLES
	UN	UNITS
	CV	CONVERTIBLE BOND SPECIAL VEHICLES
	DR	DEPOSITARY RECEIPT
ETFP - ATFUND	TA	TRADABLE FUND DURING AUCTION
	TC	TRADABLE COMMODITIES
	TR	TRADABLE IN REGULATED SEGMENT
	TF	TRADABLE FUND
	TN	TRADABLE NOTES
MOT – ExtraMOT - ExtraMOT PRO ³	FX	FIXED RATE
	FR	FLOATING RATE
	ZC	ZERO COUPON
	OC	ONE COUPON
	MC	MULTI COUPON
	RV	REVERSE
	PS	PROFESSIONAL SEGMENT
	SC	STEP COUPON
	BD	BRANDED BONDS
	ML	SME BOND
SeDeX	WC	LEVERAGE PRODUCTS COVERED WARRANT CALL

	WP	LEVERAGE PRODUCTS COVERED WARRANT PUT
	LC	LEVERAGE PRODUCTS BULL
	LP	LEVERAGE PRODUCTS BEAR
	LE	LEVERAGE PRODUCTS EXOTIC
	IP	INVESTMENT PRODUCTS
	PF	PROFESSIONAL INSTRUMENT

2.10.4 SecuritySubType

MARKET	CODE	DESCRIPTION
MTA (EURONEXT MILAN) - MIV (EURONEXT MIV MILAN) - EGM (EURONEXT GROWTH MILAN) - BEM	1	ORDINARY
	2	PREFERRED
	3	SAVING
	4	CONVERTIBLE SAVING
	5	CONVERTIBLE BOND
	6	SUBSCRIPTION RIGHT
	7	CLOSED END FUNDS
	8	WARRANT
	19	ORDINARY (OPA)
	20	PREFERRED (OPA)
	21	SAVING (OPA)
	22	CONVERTIBLE SAVING (OPA)
	23	WARRANT (OPA)
	25	CLOSED END FUNDS
	27	FIA
	55	SPECIAL
60	UNITS	
72	CONDITIONAL RIGHT OF ASSIGNMENT	

	82	SHARE IN PUBLIC OFFER
	83	DEPOSITARY RECEIPT
	84	FUND IN DISTRIBUTION
ETFP - ATFUND	26	ETF
	49	STRUCTURED ETF
	58	ETN
	59	ETC
	61	ACTIVE ETF
	67	OICR (OPEN)
	84	FUND IN DISTRIBUTION
MOT – ExtraMOT – ExtraMOT PRO ³	9	BOT
	10	BTP
	11	CTZ
	12	CCT
	13	CTE
	14	CTO
	15	BONDS
	16	ABS
	17	EUROBOND
	18	FOREIGN BONDS
	24	BOC
	29	FOREIGN GOVERNMENT BONDS
	38	BOP
	43	OTHERS INTERNATIONAL
	53	CREDITO OPERE PUBBLICHE
	54	CREDITO FONDIARIO
	62	BONDS (OPA)
	63	ABS (OPA)
	64	EUROBOND (OPA)
	65	FOREIGN BONDS (OPA)
70	BONDS IN DISTRIBUTION	

	71	GOVERNMENT BONDS in DISTRIBUTION
	76	COMMERCIAL PAPER
	77	FOREIGN COMMERCIAL PAPER
	78	COVERED BOND
	79	CONVERTIBLE BOND
	80	CONVERTIBLE BOND FOREIGN
SeDeX	30	PLAIN VANILLA
	31	STRUCTURED/EXOTIC
	32	INVESTMENT CERTIFICATES
	33	LEVERAGE CERTIFICATES

2.10.5 SecuritySubSubType

CODE	DESCRIPTION
1	PLAIN VANILLA
2	DOWN AND OUT
3	DIGITAL
4	CORRIDOR
5	STRADDLE
6	RAINBOW
7	BENCHMARK
8	QUANTO
9	DISCOUNT
10	OUTPERFORMANCE
11	PROTECTION
12	STOP LOSS
13	STOP LOSS R
14	CW
15	CW CERTIFICATES

16	CW BENCHMARK
17	CW STRUTT/ESOT
18	CERTIFICATES
19	CALL SPREAD
20	BONUS
21	CAP
22	KNOCK OUT
23	KNOCK IN
24	FLOOR
25	FLOOR SPREAD
26	PAYER
27	RECEIVER
28	CW QUANTO
29	DIGITAL CALL ON EXCHANGE RATES
30	DIGITAL PUT ON EXCHANGE RATES
31	OPEN END
32	CW WITH NOMINAL VALUE
33	EXPRESS
34	FIXED LEVERAGE
35	CERTIFICATES IN DISTRIBUTION
75	CREDIT LINKED NOTE INV
76	CREDIT LINKED NOTE PLAIN
77	CREDIT LINKED NOTE ESOT

2.10.6 Ex Marker Code

CODE	DESCRIPTION
XS	EX-STOCK DISTRIBUTION
XW	EX-STOCK SPLIT
XV	EX-REVERSE STOCK SPLIT

XA	EX-CORPORATE ACTION
XR	EX-RIGHTS
XD	EX-DIVIDEND
XP	EX-REPAYMENT OF CAPITAL
XC	EX-CORPORATE ACTION (EX-STOCK DISTRIBUTION / EX-RIGHTS)
XE	EX-CORPORATE ACTION (EX-STOCK DISTRIBUTION / EX-DIVIDEND)
XF	EX-CORPORATE ACTION (EX-RIGHTS / EX-DIVIDEND)
XG	EX-DIVIDEND
EC	EX-COUPON
XH	EX-CORPORATE ACTION (EX-REVERSE STOCK SPLIT / EX-CORPORATE ACTION)
XI	EX-CORPORATE ACTION (EX-STOCK SPLIT / EX-CORPORATE ACTION)

2.10.7 Settlement System

CODE	DESCRIPTION
00	NO SETTLEMENT SYSTEM
01	EXPRESS (GROSS)
02	EXPRESS II (NET)
51	EUROCLEAR/CLEARSTREAM LUX
60	TARGET2 SECURITIES

2.10.8 Underlying Type

CODE	DESCRIPTION
0	OTHERS
1	SHARE
2	CURRENCY
3	INDEX
4	COMMODITY
5	FOREIGN INDEX
6	FUTURE
7	FOREIGN SHARE
8	BASKET
9	EXCHANGE RATE

2.10.9 Option Style

CODE	DESCRIPTION
1	AMERICAN
2	EUROPEAN
3	PERIODIC
4	BERMUDAN
5	ASIAN
6	OTHER

2.10.10 Price Format

PriceFormatCode	Description	Min Value	Max Value	Tick Value
TS_MTA	Dynamic Tick MTA MIV EGM BEM	0.0001	0.5	0.0001
		0.5	1	0.0005
		1	2	0.001
		2	5	0.002
		5	10	0.005
		10	50	0.01
		50	100	0.05
		100	500	0.1
		500	1000	0.5
		1000	5000	1
		5000	10000	5
		10000	20000	10
		20000	30000	20
		30000	40000	30
		40000	50000	40
		50000	60000	50
		60000	70000	60
		70000	80000	70
		80000	90000	80
		90000	100000	90
100000	10000000	100		
TS_01MF	Dynamic Tick MTA MIV EGM BEM	0.0005	0.1	0.0005
		0.1	0.2	0.001
		0.2	0.5	0.002
		0.5	1	0.005
		1	2	0.01

		2	5	0.02
		5	10	0.05
		10	20	0.1
		20	50	0.2
		50	100	0.5
		100	200	1
		200	500	2
		500	1000	5
		1000	2000	10
		2000	5000	20
		5000	10000	50
		10000	20000	100
		20000	50000	200
		50000	10000000	500
TS_02MF	Dynamic Tick	0.0002	0.1	0.0002
	MTA	0.1	0.2	0.0005
	MIV	0.2	0.5	0.001
	EGM	0.5	1	0.002
	BEM	1	2	0.005
		2	5	0.01
		5	10	0.02
		10	20	0.05
		20	50	0.1
		50	100	0.2
		100	200	0.5
		200	500	1
		500	1000	2
		1000	2000	5
		2000	5000	10
	5000	10000	20	

		10000	20000	50
		20000	50000	100
		50000	10000000	200
TS_03MF	Dynamic Tick MTA MIV EGM BEM	0.0001	0.1	0.0001
		0.1	0.2	0.0002
		0.2	0.5	0.0005
		0.5	1	0.001
		1	2	0.002
		2	5	0.005
		5	10	0.01
		10	20	0.02
		20	50	0.05
		50	100	0.1
		100	200	0.2
		200	500	0.5
		500	1000	1
		1000	2000	2
		2000	5000	5
		5000	10000	10
		10000	20000	20
		20000	50000	50
		50000	10000000	100
TS_04MF	Dynamic Tick MTA MIV EGM BEM	0.0001	0.1	0.0001
		0.1	0.2	0.0001
		0.2	0.5	0.0002
		0.5	1	0.0005
		1	2	0.001
		2	5	0.002
		5	10	0.005
		10	20	0.01

		20	50	0.02
		50	100	0.05
		100	200	0.1
		200	500	0.2
		500	1000	0.5
		1000	2000	1
		2000	5000	2
		5000	10000	5
		10000	20000	10
		20000	50000	20
		50000	10000000	50
TS_05MF	Dynamic Tick MTA MIV EGM BEM	0.0001	0.1	0.0001
		0.1	0.2	0.0001
		0.2	0.5	0.0001
		0.5	1	0.0002
		1	2	0.0005
		2	5	0.001
		5	10	0.002
		10	20	0.005
		20	50	0.01
		50	100	0.02
		100	200	0.05
		200	500	0.1
		500	1000	0.2
		1000	2000	0.5
		2000	5000	1
		5000	10000	2
		10000	20000	5
		20000	50000	10
		50000	10000000	20

TS_06MF	Dynamic Tick MTA MIV EGM BEM	0.0001	0.1	0.0001
		0.1	0.2	0.0001
		0.2	0.5	0.0001
		0.5	1	0.0001
		1	2	0.0002
		2	5	0.0005
		5	10	0.001
		10	20	0.002
		20	50	0.005
		50	100	0.01
		100	200	0.02
		200	500	0.05
		500	1000	0.1
		1000	2000	0.2
		2000	5000	0.5
		5000	10000	1
		10000	20000	2
		20000	50000	5
		50000	10000000	10
		TS_ETFMF	Dynamic Tick ETFplus	0.0001
0.1	0.2			0.0001
0.2	0.5			0.0001
0.5	1			0.0001
1	2			0.0002
2	5			0.0005
5	10			0.001
10	20			0.002
20	50			0.005
50	100			0.01
100	200			0.01

		200	500	0.01
		500	1000	0.01
		1000	2000	0.01
		2000	5000	0.01
		5000	10000	0.01
		10000	20000	0.01
		20000	50000	0.01
		50000	10000000	0.01
TS_ETF	Dynamic Tick ETFplus	0.0001	0.25	0.0001
		0.25	1	0.0005
		1	2	0.001
		2	5	0.0025
		5	50	0.005
		50	10000000	0.01
TS_ATF	ATF	0	2	1
TS_SDX	Dynamic Tick Sedex	0.0001	0.003	0.0001
		0.003	0.3	0.0005
		0.3	1.5	0.001
		1.5	3	0.005
		3	30	0.01
		30	10000000	0.05
TS_SDQ_10	Dynamic Tick Sedex	0.001	0.03	0.001
		0.03	3	0.005
		3	15	0.01
		15	30	0.05
		30	300	0.1
		300	100000000	0.5
TS_SDQ_100	Dynamic Tick	0.01	0.3	0.01

	Sedex	0.3	30	0.05
		30	150	0.1
		150	300	0.5
		300	3000	1
		3000	100000000	5
TS_01	Static Tick	0.0001	10000000	0.0001
TS_02	Static Tick	0.0005	10000000	0.0005
TS_03	Static Tick	0.001	10000000	0.001
TS_04	Static Tick	0.002	10000000	0.002
TS_05	Static Tick	0.0025	10000000	0.0025
TS_06	Static Tick	0.005	10000000	0.005
TS_07	Static Tick	0.01	10000000	0.01
TS_08	Static Tick	0.05	10000000	0.05
TS_09	Static Tick	0.1	10000000	0.1
TS_10	Static Tick	0.5	10000000	0.5
TS_11	Static Tick	1	10000000	1
TS_12	Static Tick	5	10000000	5
TS_13	Static Tick	10	10000000	10
TS_14	Static Tick	20	10000000	20
TS_15	Static Tick	30	10000000	30
TS_16	Static Tick	40	10000000	40

TS_17	Static Tick	50	10000000	50
TS_18	Static Tick	60	10000000	60
TS_19	Static Tick	70	10000000	70
TS_20	Static Tick	80	10000000	80
TS_21	Static Tick	90	10000000	90
TS_22	Static Tick	100	10000000	100
TS_23	Static Tick	0.0002	10000000	0.0002

2.10.11 Market Data Group (Production)

Primary Market Data Group	Channel name
A	MTA-A
B	MTA-B / BEM
C	ETF-A
D	ETF-B
E	MOT
F	SEDEX
G	BEM / PTTS / Admin BEM
X	Admin
H ... Z	Reserved for future use

2.10.12 MIC Code

MIC CODE	DESCRIPTION
XMIL	BORSA ITALIANA S.P.A.
ETFP	ELECTRONIC OPEN-END FUNDS AND ETC MARKET
MIVX	EURONEXT MIV MILAN
MOTX	ELECTRONIC BOND MARKET
MTAA	EURONEXT MILAN
MTAH	BORSA ITALIANA EQUITY MTF (BIT EQ MTF) - including TAH and BIT GEM
SEDX	SECURITISED DERIVATIVES MARKET
EXGM	EURONEXT GROWTH MILAN
XDMI	ITALIAN DERIVATIVES MARKET
XMOT	EXTRAMOT including ExtraMOT PRO ³
ATFX	MULTILATERAL TRADING FACILITIES FOR OPEN END FUNDS

2.10.13 CCP Code

CCP Codes	DESCRIPTION
CC_01	Security Cleared by CC&G
CC_02	Security Cleared by CC&G and EuroCCP and LCH Ltd (Default CCP: CC&G)
CC_03	Security Cleared by CC&G and EuroCCP (Default CCP: CC&G)
CC_04	Security Cleared by CC&G and LCH Ltd (Default CCP: CC&G)

Disclaimer

This publication is for information purposes only and is not a recommendation to engage in investment activities. This publication is provided "as is" without representation or warranty of any kind. Whilst all reasonable care has been taken to ensure the accuracy of the content, Euronext does not guarantee its accuracy or completeness. Euronext will not be held liable for any loss or damages of any nature ensuing from using, trusting or acting on information provided. No information set out or referred to in this publication shall form the basis of any contract. The creation of rights and obligations in respect of financial products that are traded on the exchanges operated by Euronext's subsidiaries shall depend solely on the applicable rules of the market operator. All proprietary rights and interest in or connected with this publication shall vest in Euronext. No part of it may be redistributed or reproduced in any form without the prior written permission of Euronext. Euronext disclaims any duty to update this information. Euronext refers to Euronext N.V. and its affiliates. Information regarding trademarks and intellectual property rights of Euronext is located at www.euronext.com/terms-use.

© 2021, Euronext N.V. - All rights reserved



borsaitaliana.it