Document title

EURONEXT MARKETS - ADVANCED REFERENCE DATA

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Client specification

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5.355.0

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36

PREFACE

ABOUT THIS DOCUMENT

This document provides all the information related to Advanced Reference Data files to support trading operations and enhance client data analysis.

The service described in this Client Specification covers Euronext markets (Amsterdam, Brussels, Dublin, Lisbon, Oslo Børs and Paris). **Note**: for Euronext Dublin the service covers only listed instruments traded on the Euronext central order book.

The Advanced Reference Data files are important for the identification and analysis of financial instruments traded on Euronext markets. They serve two primary purposes:

- Provide all necessary data for the precise identification of instruments, ensuring accurate tracking and referencing within the markets.
- Offer extensive additional information about the instruments, which enhances client's in-depth analysis

SUPPORT

For technical support, please contact the **Euronext Service Operations** at serviceoperations@euronext.com.

FURTHER INFORMATION

For additional information about the product, please contact us at datasolutions@euronext.com.

WHAT'S NEW?

The following lists only all recent modifications made to this version.

For the Document History table see the Document History in Appendix.

Version	Date	Changes Description
5.355.0	13/01/2026	First document version for Cash markets at Euronext Amsterdam, Brussels, Dublin, Lisbon, Oslo Børs and Paris

CONTENTS

1. FUNCTIONAL OVERVIEW

1.1. INTRODUCTION

This service provides a number of separate full market reference data files, needed to provide all the necessary data for identifying instruments traded on Euronext markets (Amsterdam, Brussels, Dublin, Lisbon, Oslo Bors and Paris). Moreover, it contains a wide amount of relevant additional information about the instruments, that can enhance client's databases and can be used for deeper analysis.

2. REFERENCE DATA

2.1. SERVICE OVERVIEW

Every day files contain market reference data related to all active instruments traded on Euronext markets (Amsterdam, Brussels, Dublin, Lisbon, Oslo Børs and Paris). **Note:** for Euronext Dublin the Advanced Reference Data files cover only listed instruments traded on the Euronext central order book.

Please find listed in the table below the markets, that <package> refers to the exchange where the instruments are listed

Value	Description
AMS	Euronext Amsterdam
BRX	Euronext Brussels
DUB	Euronext Dublin
LIS	Euronext Lisbon
OSL	Euronext Oslo Børs
PAR	Euronext Paris

Below are reported the files that are made available each day for each market.

Type	File names	Content	Table
INSTR	BRED_REFDATA_PLUS_INSTR_EQY_AMS_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_EQY_BRX_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_EQY_DUB_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_EQY_LIS_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_EQY_OSL_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_EQY_PAR_yyyymmdd.csv	Equities and Equity linked	Table A
	BRED_REFDATA_PLUS_INSTR_FI_AMS_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_FI_BRX_yyyymmdd.csv ~~BRED_REFDATA_PLUS_INSTR_FI_DUB_yyyymmdd.csv~~* BRED_REFDATA_PLUS_INSTR_FI_LIS_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_FI_OSL_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_FI_PAR_yyyymmdd.csv	Bond	Table B
	BRED_REFDATA_PLUS_INSTR_FND_AMS_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_FND_BRX_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_FND_DUB_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_FND_LIS_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_FND_OSL_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_FND_PAR_yyyymmdd.csv	ETFs	Table A

	BRED_REFDATA_PLUS_INSTR_SP_AMS_yyyymmdd.csv BRED_REFDATA_PLUS_INSTR_SP_BRX_yyyymmdd.csv ~~BRED_REFDATA_PLUS_INSTR_SP_DUB_yyyymmdd.csv~~* BRED_REFDATA_PLUS_INSTR_SP_LIS_yyyymmdd.csv ~~BRED_REFDATA_PLUS_INSTR_SP_OSL_yyyymmdd.csv~~* BRED_REFDATA_PLUS_INSTR_SP_PAR_yyyymmdd.csv	Structured Products	Table C
DIV	BRED_REFDATA_PLUS_DIV_EQY_AMS_yyyymmdd.csv BRED_REFDATA_PLUS_DIV_EQY_BRX_yyyymmdd.csv BRED_REFDATA_PLUS_DIV_EQY_DUB_yyyymmdd.csv BRED_REFDATA_PLUS_DIV_EQY_LIS_yyyymmdd.csv BRED_REFDATA_PLUS_DIV_EQY_OSL_yyyymmdd.csv BRED_REFDATA_PLUS_DIV_EQY_PAR_yyyymmdd.csv	Equities and Equity linked	Table E
	BRED_REFDATA_PLUS_DIV_FND_AMS_yyyymmdd.csv BRED_REFDATA_PLUS_DIV_FND_BRX_yyyymmdd.csv BRED_REFDATA_PLUS_DIV_FND_DUB_yyyymmdd.csv BRED_REFDATA_PLUS_DIV_FND_LIS_yyyymmdd.csv BRED_REFDATA_PLUS_DIV_FND_OSL_yyyymmdd.csv BRED_REFDATA_PLUS_DIV_FND_PAR_yyyymmdd.csv	ETFs	Table E
EVE	BRED_REFDATA_PLUS_EVE_EQY_AMS_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_EQY_BRX_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_EQY_DUB_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_EQY_LIS_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_EQY_OSL_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_EQY_PAR_yyyymmdd.csv	Equities and Equity linked	Table L
	BRED_REFDATA_PLUS_EVE_FI_AMS_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_FI_BRX_yyyymmdd.csv ~~BRED_REFDATA_PLUS_EVE_FI_DUB_yyyymmdd.csv~~*BRED_REFDATA_PLUS_EVE_FI_LIS_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_FI_OSL_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_FI_PAR_yyyymmdd.csv	Bond	Table L
	BRED_REFDATA_PLUS_EVE_FND_AMS_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_FND_BRX_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_FND_DUB_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_FND_LIS_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_FND_OSL_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_FND_PAR_yyyymmdd.csv	ETFs	Table L
	BRED_REFDATA_PLUS_EVE_SP_AMS_yyyymmdd.csv BRED_REFDATA_PLUS_EVE_SP_BRX_yyyymmdd.csv ~~BRED_REFDATA_PLUS_EVE_SP_DUB_yyyymmdd.csv~~* BRED_REFDATA_PLUS_EVE_SP_LIS_yyyymmdd.csv ~~BRED_REFDATA_PLUS_EVE_SP_OSL_yyyymmdd.csv~~* BRED_REFDATA_PLUS_EVE_SP_PAR_yyyymmdd.csv	Structured Products	Table L

* This file will be added to the service if, in the future, there are instruments listed on this market that are traded on the central order book

2.2. ACCESS TO THE SERVICE

The Advanced Reference Data files are available on Euronext's DataShop SFTP service.

The relevant folder names are :

- CSH_EU_AMS_REF_MASTER
- CSH_EU_BRX_REF_MASTER
- CSH_EU_DUB_REF_MASTER
- CSH_EU_LIS_REF_MASTER
- CSH_EU_OSL_REF_MASTER
- CSH_EU_PAR_REF_MASTER

For the complete view of the files, available at each location, see section Structure of directories and .zip files

The folders are organized by year and month. Files remain available in the folders starting from the service activation :

The files may carry no data when there are no records that match the relevant selection criteria. In such cases, the content of those files is limited to the header record.

2.2.1 Calendar and Service hours

The Advanced Reference Data files are available on trading days according to Euronext's trading calendar.

The files are created daily at around 20h00 CET carrying data for the next trading session.

2.2.2 Naming Conventions:

The csv files are made available in zip format, aggregated by instrument type/package.

The compressed folders are named according to the standard below:

- Compressed Folder Name: BRED_REFDATA_PLUS_<instrument_type> _<package>_<yyyymmdd>.zip.
- File Name: BRED_REFDATA_PLUS_INSTR_<instrument_type> _<package>_<yyyymmdd>.csv

Where:

<instrument_type> indicates the type of instrument that the file refers to. The possible values are:

EQY: Shares (Equities and Equity linked instruments)

FI: Bonds

FND: ETFs

SP: Structured Products

<package> refers to the exchange where the instruments are listed. Below are the possible values and their descriptions:

AMS: Amsterdam

BRX: Brussels

DUB: Dublin

LIS: Lisbon

OSL: Oslo Børs

PAR: Paris

<yyyymmdd> refers to the generation date of the file. In case the file is regenerated in a future date, the original generation date will be preserved.

For the complete view of the files, included in each compressed folder, see section Structure of directories and .zip files

2.3. 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

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

The first record of each file contains a header, which contains the name of each field.

3. RECORD FILES

3.1 Table A: EQY / FND Instrument Files - Record Layout

Complete reference data of all Equity (e.g. shares) and Equity-linked (e.g. stock warrants, rights) instruments listed on Euronext markets, available for trading the central order book on the trading date indicated in the file name.

File Name: BRED_REFDATA_PLUS_INSTR_<instrument_type>_<package>_<yyyymmdd>.csv.
Included Instrument Types <instrument_type> :

- **EQY** : Equity and Equity-linked
- **FND**: ETFs

Covered Markets <package>:

- **AMS**: Amsterdam
- **BRX**: Brussels
- **DUB**: Dublin
- **LIS**: Lisbon
- **OSL:** Oslo Børs
- **PAR:** Paris

<yyyymmdd> refers to the generation date of the file. In case the file is regenerated in a future date, the original generation date will be preserved.

File Structure for Equity (EQY) and ETFs (FND) instrument files

Field Name	DataType	Values Description
TradingDate	number int8	Next trading day (YYYYMMDD)
InstrumentID	Number(10)	Unique instrument identifier
ISINCode	char(12)	ISIN code
CountryOfRegister	char(2)	Country of register
CurrencySign	char(3)	Trading currency
Market	char(5)	Listing market
SecurityDescription	char(200)	Full instrument name
SecurityCode	char(6)	Mnemonic
SecuritySubType	char(50)	Security sub-type (e.g. “Ordinary Shares”, “Stock Warrants”, …)
MinimumLot	number 16int 4d	Minimum quantity/nominal value tradable

MinimumSize	number 16int 4d	Minimum order size. If the Minimum Size is set to zero the minimum order size is determined by the Lot Size
ListingStartDate	number 8int	Listing start date (YYYYMMDD)
ListingEndDate	number 8int	Listing end date (YYYYMMDD) Set only after instrument revocation has been communicated
ExpirationDate	number 8int	Expiration date (YYYYMMDD)
NumberOfSharesInCirculation	number 16int	Number of listed securities
AfterHoursTradingFlag	char(1)	Field not used
StrikePrice	number 9int 6d	Strike price (exercise price)
UnderlyingISINCode	char(12)	Underlying ISIN code
UnderlyingSecurityCode	char(9)	Underlying Mnemonic
UnderlyingType	char(40)	Underlying type (e.g. “Stock”, “Stock Dividend”,”Index”,”Commodity”,…)
UnderlyingDescription	char(70)	Underlying name
IssuerDescription	char(70)	Issuer name
NominalValue	number 16int 4d	Nominal value
SecurityType	char(50)	Security type (e.g. “Share”, “Bond”, “Tracker”,…)
SettlementSystem	char(50)	Settlement system (e.g. “Euroclear Bank”, “EUROCLEAR/CLEARSTREAM LUX”, “Other Settlement System”, “TARGET 2 SECURITIES”, “Euronext Securities Oslo”,...)
SettlementDate	number 8int	Settlement date (YYYYMMDD)
LastValidityDate	number 8int	Last validity date for settlement (YYYYMMDD)
ExMarkerCode1	char(100)	Corporate event type. Possible values : “01” – Dividend payment in cash or in stocks “02” – Interest payment “04“ – Split “05“ – Bonus (i.e. attribution) “06“ – Subscription “07“ – Share allocation Merger “09“ – Reverse split/Spin off – “10“ – Merger “11“ – Final Fix Income redemption
TradingAllowed	char(10)	Indicates whether the instrument is tradeable in Auction/Fixing mode ("0"), Continuous mode

		("1"), Continuous Late mode ("3") or is Not tradable ("2")
SettlementCycle	number 4int	Number of business days for settlement
ClearingType	char(11)	Indicates if the instrument is cleared or not. Possible values: “0“ - No “1“ - Yes “2“ - Not Clearable
CalendarCode	char(6)	Field not used
OfficialSegment	char(70)	Official segment name (not expected to be used for Euronext markets)
ExerciseStartDate	number int8	Date of start of Exercise (YYYYMMDD)
ExerciseEndDate	number int8	Date of end of Exercise (YYYYMMDD)
NumberOfUnExercisedRights	number 9int	Number of rights that remain unexercised (not expected to be used for Euronext markets)
SettlementCurrency	char(3)	Settlement currency
ClassType	char(100)	Class Type (set only in FND file)
BenchmarkArea	char(50)	Area of the Benchmark (set only in FND file)
BenchmarkStyle	char(50)	Benchmark Style (set only in FND file)
LastPublishedValueDate	number int8	Date of publication of the Last Published Value (not expected to be used for Euronext markets)
LastPublishedValue	number 9int 4d	Last Published Value (not expected to be used for Euronext markets)
ReutersCode	char(12)	Field not used
BloombergCode	char(12)	Field not used
NumberOfOutstandingQuotas	number 16int	Number of outstanding quotes (not expected to be used for Euronext markets)
OutstandingCapital	number 16int 4d	Field not used
NotionalCurrency	char(5)	Notional currency
IssuePrice	number 5int 5d	Issue price
CurrentCoupon	char(10)	Number of current coupon (not expected to be used for Euronext markets)
DetachedCoupon	char(10)	Number of detached coupon (not expected to be used for Euronext markets)
AccrualDate	number int8	Date of accrual (YYYYMMDD)
Entitlement	char(30)	Accrual type (e.g. “DEFERRED”, “FULL”)
Status	char(30)	Trading status. Possible values:

		“Traded” “Temporary suspended” “Permanently suspended”
LastRelevantNoticeDate	Char(22)	Publication date of the last relevant notice (YYYYMMDD) (not expected to be used for Euronext markets)
LastRelevantNoticeNumber	Char(22)	Number / identifier of the last relevant notice (not expected to be used for Euronext markets)
StartOfTradingNoticeDate	number int8	Date of the Start of Trading Notice (YYYYMMDD) (not expected to be used for Euronext markets)
StartOfTradingNoticeNumber	Char(22)	Number / identifier of the Start of Trading notice (not expected to be used for Euronext markets)
TradingGroup	char(4)	Optiq trading group
Settlement	char(10)	Settlement type (not expected to be used for Euronext markets)
ExerciseRatio	char(70)	Exercise ratio
Multiplier	number 3int 6d	Field not used
MaxSpread	number 11int 4d	Field not used
DividendFrequency	char(50)	Dividend frequency (not expected to be used for Euronext markets)
AnnualManagementFees	number 16int 6d	Annual management fees (set only in FND file)
EntryFees	number 16int 6d	Field not used
PerformanceFees	number 16int 6d	Field not used
ExitFees	number 16int 6d	Field not used
MinimumBid_AskQuantities	number 12int	Minimum bid/ask quantities (not expected to be used for Euronext markets)
AdjustmentFactor	number 28int 8d	Adjustment factor following corporate action
NDG	number int10	Secondary issuer identification code (not expected to be used for Euronext markets)
LEICode	char(20)	Legal entity identifier
MICCode	char(4)	MIC code
RequestForAdmissionByIssuer	char(1)	Indicates if the issuer of the financial instrument has requested or approved the trading or

		admission to trading of their financial instruments on a trading venue
ApprovalDateOfAdmission	number int8	Date the issuer has approved admission to trading or trading in its financial instruments on a trading venue (YYYYMMDD)
RequestDateForAdmission	number int8	Date of the request for admission to trading on the trading venue (YYYYMMDD)
MiFIRIdentifier	char(10)	Field not used
AlternateSecurityType	char(1)	Field not used
Liquidity	number 3int	Indicates if instrument is liquid or not. Possible values: “0” - Illiquid “1” - Liquid “2” - Not applicable
PreTradeLIS	number 15int	LIS thresholds
ProfessionalStatus	char(3)	Professional flag (“0”, “1”)
ESGProductClassification	Char(50)	ESG classification (set only in FND file). Possible values: Blank “ESG Green/Environmental“ “ESG Social“ “ESG Governance“ “ESG Sustainability“ “ESG Sustainability linked“ “ESG Blue“ “ESG Transition“ “ESG General“ “ESG Clean Tech“ “ESG ETF art. 8“ “ESG ETF art. 9“ “ESG art. 8“ “ESG art. 9“
KIDlink	char(256)	Unique key investment document (set only in FND file).
ExerciseRatioNB	number 25int 8d	Ratio new stocks per stock warrant
EuronextCode	char(12)	Trading code
EuronextDesignation	char(22)	Instrument name
IssuerCode	char(12)	Main issuer identification code
Compartment	char(50)	Listing compartment (set only in EQY file).

IssuePriceCurrency	char(3)	Issue price currency
LegalForm	char(40)	Legal form of registration. Possible values: “Bearer or Registered” “Purely bearer” “Purely registered” “Not applicable”
MarketingProductName	char(40)	Represents a group of instruments sharing the same Instrument Type and Instrument Subtype values (e.g. “Ordinary Shares”, “ETF”)
IPOdate	Date(8)	IPO date (YYYYMMDD)
CFIcode	char(6)	CFI code
TradingType	char(1)	Trading pattern. Possible values: “C” - Continuous “D” - Double fixing (two phases of continuous) “F” - Fixing “L” - Continuous Late “X” - Not Tradable
InstrumentUnitExpression	Number (22)	Quotation unit. Possible values: “Unit” “Percentage Dirty” “Percentage Mixed” “Percentage Clean” “per ounce” “per kilogram” “Yield”
StrikePriceCurrency	char(3)	Strike price currency
Outstanding	Number (22)	Total nominal in circulation
QuantityNotation	char(3)	Type of measurement in which the transaction is expressed. Possible values: "UNT" - Units "FMT" - Facial Amount "-" - Not Applicable
PEAeligibility	Number (22)	PEA indicator (“0”, “1”)
SymbolIndex	Number (22)	OPTIQ identification code
TickTableID	Number (22)	Tick size table ID code
ExpositionType	char(10)	Indicates the replication method (set only in FND file)
FundManager	char(50)	Fund manager name (set only in FND file)
TickSize	Number (22)	Fixed tick size
AnnualFee	Number (22)	Annual Fees (not expected to be used for Euronext markets)

BuyBackIndicator	Number (1)	Indicates if buy back functionality is activated ("1") or not ("0")
ClosingPriceType	char(1)	Indicates the type of closing price configured for the instrument. Possible values: "1" - Last Traded Price (LTP) "2" - Volume Weighted Average Price (VWAP) "3" - Volume Weighted Average Price (VWAP X Trades) "4" - Closing Uncrossing Price – VWAP "5" - Closing Uncrossing Price – BBO "6" - VWAP – BBO "7" - Not Applicable "8" - VWAP - Closing Price of Reference Market "9" - Last Adjusted Closing Price (LACP)
DarkEligibility	Number (22)	Indicates if instrument is eligible for the Dark market functionality ("N", "Y")
DarkMinQuantity	Number (22)	Minimum quantity required for an order to be filled in the Dark liquidity
DepositaryList	char(5)	Identification code of the depository organizations. In case there are multiple depository organizations, the values are presented sequentially without any separator. Possible values: "00001" – Euroclear France "00002" – Euroclear Belgium (ex-CIKBelgium) "00003" – Euroclear Nederland (ex-NECIGEF) "00004" – X/N (BoB service) "00005" – VIF (non-fungible Belgian instruments) "00006" – Euroclear Bank "00007" – NIEC "00008" – Physical "00009" – Euronext Paris non Euroclear France "00010" – Euronext Securities | Porto (ex-Interbolsa) "00012" – Euronext Securities | Milan (ex-Monte Titoli) "00000" – No depository organization "Nulls" – Not significant
InstrumentEventDate	char(8)	Effective date of update following a corporate action (YYYYMMDD)
MaxOrderAmountCall	Number (22)	Maximum order amount (call phase)
MaxOrderAmountContinuous	Number (22)	Maximum order amount (continuous phase)
MaxOrderQuantityCall	Number (22)	Maximum order quantity (call phase)
MaxOrderQuantityContinuous	Number (22)	Maximum order quantity (continuous phase)

RepoIndicator	Number (22)	Indicates if instrument has been admitted to the Deferred Settlement system and/or to the lending market. Possible values: “0 Instrument neither eligible for the SRD, nor eligible for the Loan and Lending Market “1” - Instrument eligible for the SRD and for the Loan and Lending Market “2” - Instrument eligible for the SRD long only “3” - Instrument eligible for the Loan and Lending Market and for the SRD long only “4” - Easy-to-borrow Instrument eligible for the SRD and the for Loan and Lending Market “5” - Instrument eligible for the Loan and Lending Market “8” - Non significant Blank
TypeOfMarketAdmission	char(1)	Type of market admission. Possible values: “A” - Instruments traded on the primary market “B” - Instruments traded on the secondary market “C” - Instruments traded on the New Market “D” - Non-regulated market / instruments traded on the free market ('Marche Libre') “E” - Non-regulated market / Alternext “F” - Non listed “G” - Regulated Market / Non equities “H” - Regulated Market / Equities / Segment A “I” - Regulated Market / Equities / Segment B “J - Regulated Market / Equities / Segment C “K” - Regulated Market / All securities / Special Segment “L” - Regulated Market / Equities / Other instruments “S”- OPCVM, SICOMI non listed (French Investment Funds) “6” - Off Market “7” - Gold, Currencies, and Indices “9” - Foreign
OptiqSegment	Number (22)	Optiq segment. Possible values: “1“ - Equities “2“ - Funds “3“ - Fixed Income “4“ - Warrants and Certificates

		“5“ - Bourse de Luxembourg “6“ - Financial Options “7“ - Financial Futures “8“ - Commodity Derivatives “9“ - Indices “10“ - Trade Reporting and Publication “14“ - Block “11“ - Index Derivatives “12“ - Equity Derivatives “13“ - Financial Derivatives “15“ - Forex “16“ - ISE Bonds and Funds

3.2 Table B: FI Instrument Files - Record Layout

Complete reference data of all bond instruments listed on Euronext markets, available for trading on the central order book on the trading date indicated in the file name.

File Name: BRED_REFDATA_PLUS_INSTR_<instrument_type> _<package>_<yyyymmdd>.csv.
Included Instrument Types <instrument_type> :

- **FI** : Bonds

Covered Markets <package>:

- **AMS**: Amsterdam
- **BRX**: Brussels
- **DUB**: Dublin
- **LIS**: Lisbon
- **OSL:** Oslo Børs
- **PAR:** Paris

<yyyymmdd> refers to the generation date of the file. In case the file is regenerated in a future date, the original generation date will be preserved.

File Structure for Bonds (FI) instrument files

Field Name	Datatype	Values Description
TradingDate	number int8	Next trading day (YYYYMMDD)
InstrumentID	char(9)	Unique instrument identifier
ISINCode	char(12)	ISIN code
CountryofRegister	char(2)	Country of register
CurrencySign	char(3)	Trading currency

Market	char(5)	Listing market
SecurityDescription	char(200)	Full instrument name
SecuritySubType	char(50)	Security subtype (e.g. “Financial bonds”, ”Corporate bonds”, …)
LotSize	number int8	Minimum quantity/nominal value tradable
MinimumSettlementAmount	number 16int 4d	Minimum order size. If the Minimum Size is set to zero the minimum order size is determined by the Lot Size
ListingStartDate	number int8	Listing start date (YYYYMMDD)
ListingEndDate	number int8	Listing end date (YYYYMMDD) Set only after instrument revocation has been communicated
ExpirationDate	number int8	Expiration date (YYYYMMDD)
DirtyCleanPrice	char(8)	Dirty/Clean price. Possible values: “SECCO” - Ex-Coupon “TEL QUEL” - Cum-Coupon “MIXED“ - Both
GrossSettlementIndicator	char(1)	Indicates if instrument is settled in gross (“Y”) or not (“N” or Blank)
TimeToMaturity	number 6int	Time to maturity (in number of days)
PoolFactor	number 5int 15d	Current pool factor
IssuerDescription	char(70)	Issuer name
ReferenceIndex	char(100)	Index where Bond is linked (e.g. “EURIBOR 1M”,…)
SecurityType	char(50)	Security type (e.g. “Bond”, “TCN”,…)
SettlementSystem	char(50)	Settlement system (e.g. “Euroclear Bank”, “EUROCLEAR/CLEARSTREAM LUX”, “Other Settlement System”, “TARGET 2 SECURITIES”, “Euronext Securities Oslo”,...)
SettlementDate	number int8	Settlement date (YYYYMMDD)
LastValidityDate	number int8	Last validity date (YYYYMMDD)
ExMarkerCode1	char(100)	Corporate event type. Possible values :

		"01" – Dividend payment in cash or in stocks "02" – Interest payment "04" – Split "05" – Bonus (i.e. attribution) "06" – Subscription "07" – Share allocation Merger "09" – Reverse split/Spin off – "10" – Merger "11" – Final Fix Income redemption
TradingAllowed	char(10)	Indicates whether the instrument is tradeable in Auction/Fixing mode ("0"), Continuous mode ("1"), Continuous Late mode ("3") or is Not tradable ("2")
SettlementCycle	number 4int	Number of business days for settlement
ClearingType	char(11)	Indicates if the instrument is cleared or not. Possible values: "0" - No "1" - Yes "2" - Not Clearable
CalendarCode	char(6)	Field not used
OfficialSegment	char(70)	Official segment name (not expected to be used for Euronext markets)
SettlementCurrency	char(3)	Settlement currency
RePayment	char(30)	Repayment mode/Redemption frequency. Possible values: ("Anticipate","At maturity","Extendible","Perpetual", "Scheduled","Unknown",...)
OutStanding	number 14int 4d	Outstanding nominal
NotionalCurrency	char(5)	Notional currency
AccrualDate	number int8	First accrual date (YYYYMMDD)
Subordination	char(1)	Subortinated debt indicator. Possible values. "Y" , "N"
CouponFrequency	number 3int	Coupon frequency. Possible values: ("1" – annually","2" - semi annually, "3" - every four months, "4" - every three months, "6" - every six months, "12" - every month, "24" - every fifteen days, "365" – daily, ...)

StructureType	char(20)	Structure type. Possible values: (“Credit Protection”, “Currency Linked”, “Equity Linked”, “Index Linked”, “Inflation Linked”, “Other Structure”, “Plain Vanilla”, “Structured Notes on Interest Rates”, …)
ClassType	char(100)	Class type (not expected to be used for Euronext markets)
IssueDate	number int8	Issuance date (YYYYMMDD)
OutstandingDate	number int8	Field not used
RedemptionPrice	number 3int 5d	Redemption price
NominalValue	number 15int 4d	Nominal value
IssuePrice	number 3int 5d	Issue price
CouponSpread	number 2int 5d	Coupon spread
TypeOfInterestCalculation	char(40)	Type of interest calculation (not expected to be used for Euronext markets)
IssuerCategory	Char(50)	Issuer category. Possible values: (“Bank”, “Corporate”, “Government”, “Insurance”, “Local authority”, “Supranational”, …)
LastRelevantNoticeDate	number int8	Publication date of the last relevant notice (YYYYMMDD) (not expected to be used for Euronext markets)
LastRelevantNoticeNumber	char(22)	Number / identifier of the last relevant notice (not expected to be used for Euronext markets)
MinimumDenomination	number 9int 10d	Field not used
Status	char(30)	Trading status. Possible values: “Traded” “Temporary suspended” “Permanently suspended”
IndexationSign	char(1)	Field not used
IndexationDescription	char(4000)	Field not used
PeriodCouponIndicator	char(1)	Please ignore this field
ParameterFixingMethod	char(50)	Fixing method. Possible values: (“Before Interest Accrual Start Date”, “After Interest Accrual Start Date”, blank)

Adjusted	char(1)	Indicates if non-working days are considered in the calculation of the interested to be paid. Possible values: “0” - No “1” - Yes
FirstCouponType	char(100)	Field not used
CouponType	char(100)	Coupon type. Possible values: (“Fixed”, “Multi coupon”, “One coupon”, “Reverse”, “Step coupon”, “Variable”,“Zero coupon”, …)
TradingGroup	char(4)	Optiq trading group
NDG	number int10	Secondary issuer identification code (not expected to be used for Euronext markets)
LEICode	char(20)	Legal entity identifier
MICCode	char(4)	MIC code
RequestForAdmissionByIssuer	char(1)	Indicates if the issuer of the financial instrument has requested or approved the trading or admission to trading of their financial instruments on a trading venue
ApprovalDateOfAdmission	number int8	Date the issuer has approved admission to trading or trading in its financial instruments on a trading venue (YYYYMMDD)
RequestDateForAdmission	number int8	Date of the request for admission to trading on the trading venue (YYYYMMDD)
MiFIRidentifier	char(10)	Field not used
BondType	char(10)	Bond type. Possible values: (“EUSB” - Sovereign Bond, “OEPB” - Other Public Bond, “CVTB” - Convertible Bond, “CVDB” - Covered Bond, “CRPB” - Corporate Bond, “OTHR” – Other)
AlternateSecurityType	char(1)	Field not used
Liquidity	number 3int	Indicates if instrument is liquid or not. Possible values: “0” - Illiquid “1” - Liquid “2” - Not applicable
PreTradeLIS	number 20int	LIS thresholds

ProfessionalStatus	char(3)	Professional flag (“0”, “1”)
ESGProductClassification	char(50)	ESG classification. Possible values: Blank “ESG Green/Environmental“ “ESG Social“ “ESG Governance“ “ESG Sustainability“ “ESG Sustainability linked“ “ESG Blue“ “ESG Transition“ “ESG General“ “ESG Clean Tech“ “ESG ETF art. 8“ “ESG ETF art. 9“ “ESG art. 8“ “ESG art. 9“
TargetMarketKID	char(50)	Indicates the target market of the instrument. Possible values: (“Target Market: Professional only”, “Target Market: Professional only and No KID”, Blank) (not expected to be used for Euronext markets)
CFICode	Char(2)	CFI code
EuronextCode	Char(12)	Trading code
EuronextDesignation	Char(22)	Instrument name
IssuerCode	Char(12)	Main issuer identification code
NumberOfSharesInCirculation	Number (22)	Number of listed securities
IssuePriceCurrency	Char(3)	Issue price currency
LegalForm	Char(40)	Legal form of registration. Possible values: “Bearer or Registered” “Purely bearer” “Purely registered” “Not applicable”
MarketingProductName	Char(40)	Represents a group of instruments sharing the same Instrument Type and Instrument Subtype values (e.g. “Financial bonds”, “Covered bonds”, …)
TradingType	Char(1)	Trading pattern. Possible values: “C” - Continuous

		“D” - Double fixing (two phases of continuous) “F” - Fixing “L” - Continuous Late “X” - Not Tradable
InstrumentUnitExpression	Number (22)	Quotation unit. Possible values: “Unit” “Percentage Dirty” “Percentage Mixed” “Percentage Clean” “per ounce” “per kilogram” “Yield”
SettlementPlatform	Char(50)	Clearing platform (e.g. “Euroclear Bank”, “Euroclear France”, “EURONEXT PARIS NON EUROCLEAR FRANCE”,…)
InterestRate	Char(14)	Interest rate (not expected to be used for Euronext markets)
EarlyRedemptionIndicator	Char(40)	Early redemption type. Possible values: “Applicable (Holder decision)” “Applicable (Issuer decision)” “Applicable (Issuer or holder decision)” “Autocallable” “Forbidden” “Not applicable” Blank
DayCount	Char(40)	Day count convention used to calculate accrued interest (e.g. “ACT/ACT”, “ACT/360”, “30/360”, …)
QuantityNotation	Char(3)	Type of measurement in which the transaction is expressed. Possible values: "UNT" - Units "FMT" - Facial Amount "-" - Not Applicable
BondSeniority	Char(50)	Bond seniority: Possible values: (“G: Joint guarantee”, “J: Junior subordinated”, “N: Senior”, “O: Mezzanine”, …)
SymbolIndex	Number (22)	OPTIQ identification code
ESGbonds	-	Field not used

FirstCouponPaymentDate	Char(10)	Date of first coupon payment (YYYYMMDD)
Benchmark	Number (22)	Field not used
PlaceOfSafekeeping	Char(50)	Place of safekeeping (e.g. "Euroclear Bank – Psafe", “EUROCLEAR Belgium – Psafe”, “Euroclear France – Psafe”,…)
BusinessDayConvention	Char(70)	Business day convention. Possible values: (“Following”, “Modified Following”, “Preceding”, Blank)
ClosingPriceType	Char(1)	Indicates the type of closing price configured for the instrument. Possible values: “1” - Last Traded Price (LTP) “2” - Volume Weighted Average Price (VWAP) “3” - Volume Weighted Average Price (VWAP X Trades) “4” - Closing Uncrossing Price – VWAP “5” - Closing Uncrossing Price – BBO “6” - VWAP – BBO “7” - Not Applicable “8” - VWAP - Closing Price of Reference Market “9” - Last Adjusted Closing Price (LACP)
DepositaryList	Char(5)	Identification code of the depository organizations. In case there are multiple depository organizations, the values are presented sequentially without any separator. Possible values: “00001” – Euroclear France “00002” – Euroclear Belgium (ex-CIKBelgium) “00003” – Euroclear Nederland (ex-NECIGEF) “00004” – X/N (BoB service) “00005” – VIF (non-fungible Belgian instruments) “00006” – Euroclear Bank “00007” – NIEC “00008” – Physical

		"00009" – Euronext Paris non Euroclear France "00010" – Euronext Securities | Porto (ex-Interbolsa) "00012" – Euronext Securities | Milan (ex-Monte Titoli) "00000" – No depository organization "Nulls" – Not significant
InstrumentEventDate	Char(8)	Effective date of an update following a corporate action (YYYYMMDD)
MaxOrderAmountCall	Number (22)	Maximum order amount (call phase)
MaxOrderAmountContinuous	Number (22)	Maximum order amount (continuous phase)
MaxOrderQuantityCall	Number (22)	Maximum order quantity (call phase)
MaxOrderQuantityContinuous	Number (22)	Maximum order quantity (continuous phase)
RepoIndicator	Number (22)	Indicates if instrument has been admitted to the Deferred Settlement system and/or to the lending market. Possible values: "0 Instrument neither eligible for the SRD, nor eligible for the Loan and Lending Market "1" - Instrument eligible for the SRD and for the Loan and Lending Market "2" - Instrument eligible for the SRD long only "3" - Instrument eligible for the Loan and Lending Market and for the SRD long only "4" - Easy-to-borrow Instrument eligible for the SRD and the for Loan and Lending Market "5" - Instrument eligible for the Loan and Lending Market "8" - Non significant Blank
TypeOfMarketAdmission	Char(1)	Type of market admission. Possible values: "A" - Instruments traded on the primary market

		“B” - Instruments traded on the secondary market “C” - Instruments traded on the New Market “D” - Non-regulated market / instruments traded on the free market ('Marche Libre') “E” - Non-regulated market / Alternext “F” - Non listed “G” - Regulated Market / Non equities “H” - Regulated Market / Equities / Segment A “I” - Regulated Market / Equities / Segment B “J - Regulated Market / Equities / Segment C “K” - Regulated Market / All securities / Special Segment “L” - Regulated Market / Equities / Other instruments “S”- OPCVM, SICOMI non listed (French Investment Funds) “6” - Off Market “7” - Gold, Currencies, and Indices “9” - Foreign
OptiqSegment	Number (22)	Optiq segment. Possible values: “1“ - Equities “2“ - Funds “3“ - Fixed Income “4“ - Warrants and Certificates “5“ - Bourse de Luxembourg “6“ - Financial Options “7“ - Financial Futures “8“ - Commodity Derivatives “9“ - Indices “10“ - Trade Reporting and Publication “14“ - Block “11“ - Index Derivatives “12“ - Equity Derivatives “13“ - Financial Derivatives “15“ - Forex

		“16“ - ISE Bonds and Funds

3.3 Table C: SP Instrument Files - Record Layout

Complete reference data of all warrants, certificates and structured note instruments listed on Euronext markets, available for trading on the central order book on the trading date indicated in the file name.

File Name: BRED_REFDATA_PLUS_INSTR_<instrument_type> _<package>_<yyyymmdd>.csv
Included Instrument Types <instrument_type> :

- **SP** : Structured Products

Covered Markets <package>:

- **AMS**: Amsterdam
- **BRX**: Brussels
- **DUB**: Dublin
- **LIS**: Lisbon
- **OSL:** Oslo Børs
- **PAR:** Paris

<yyyymmdd> refers to the generation date of the file. In case the file is regenerated in a future date, the original generation date will be preserved.

File Structure for Structured Products (SP) instrument files

Field Name	Datatype	Values Description
TradingDate	number int8	Next trading day (YYYYMMDD)
InstrumentID	char(11)	Unique instrument identifier
ISINCode	char(12)	ISIN code
CountryOfRegister	char(2)	Country of register
CurrencySign	char(3)	Trading currency
Market	char(5)	Listing market
SecurityDescription	char(200)	Full instrument name
SecurityCode	char(6)	Mnemonic
SecuritySubType	char(50)	Security sub-type (e.g. “Constant Leverage Products”, “Leverage Products with Knock-Out”, …)
LotSize	number 16int 4d	Minimum quantity/nominal value tradable
MinimumSettlementamount	number 16int 4d	Corresponds to minimum lot
ListingStartDate	number int8	Listing start date (YYYYMMDD)

ListingEndDate	number int8	Listing end date (YYYYMMDD)
ExpirationDate	number int8	Expiration date (YYYYMMDD)
NumberOfSharesincirculation	number 16int	Number of listed securities
ExtHoursTime	char(4)	Please ignore this field. See fields named OpeningTime and ClosingTime.
StrikePrice	number 9int 6d	Strike price See Strike Price Interpretation Rules
LeverageCertificatesBarrier	number 9int 6d	Field not used
OptionStyle	char(10)	Option exercise style. Possible values: “A” - American “E” - European “B” - Bermudan “P” - Periodic “O” / “M” - Other “S” - Asian
Parity	number	Parity
UnderlyingISINCode	char(12)	Underlying ISIN code
UnderlyingSecurityCode	char(6)	Underlying Mnemonic
UnderlyingType	char(40)	Underlying type (e.g. “Stock”, “Stock Dividend”,”Index”,”Commodity”,…)
UnderlyingDescription	char(50)	Underlying name
IssuerDescription	char(70)	Issuer name
IssuerClass	char(100)	Issuer Class (not expected to be used for Euronext markets)
SecurityType	char(50)	Security type (“Warrant”)
SettlementSystem	char(50)	Settlement system (e.g. “Euroclear Bank”, “TARGET 2 SECURITIES”,…)
SettlementDate	number int8	Settlement date (YYYYMMDD)
LastValidityDate	number int8	Last validity date (YYYYMMDD)
ExMarkerCode1	char(100)	Corporate event type. Possible values : “01” – Dividend payment in cash or in stocks “02” – Interest payment “04“ – Split “05“ – Bonus (i.e. attribution) “06“ – Subscription “07“ – Share allocation Merger “09“ – Reverse split/Spin off – “10“ – Merger “11“ – Final Fix Income redemption
TradingAllowed	char(10)	Indicates whether the instrument is tradeable in Auction/Fixing mode ("0"),

		Continuous mode ("1"), Continuous Late mode ("3") or is Not tradable ("2")
SettlementCycle	number 4int	Number of business days for settlement
ClearingType	char(11)	Indicates if the instrument is cleared or not. Possible values: “0“ - No “1“ - Yes “2“ - Not Clearable
CalendarCode	char(6)	Field not used
OfficialSegment	char(70)	Official segment name (not expected to be used for Euronext markets)
SettlementCurrency	char(3)	Settlement currency
Settlement	char(30)	Settlement type (e.g. “cash delivery only”, “physical delivery possible”, …)
UnderlyingCurrency	char(5)	Underlying instrument currency
AutoCallable	char(1)	Field not used
BuyBackIndicator	char(1)	For quote driven only (not expected to be used for Euronext markets)
StopLossPerc	number 9int 6d	Field not used
StopLoss2Perc	number 9int 6d	Field not used
SecondBarrierEvent	char(1)	Field not used
Rebate	number 9int 6d	Field not used
InitialLevel	number 9int 6d	Initial level (not expected to be used for Euronext markets)
NotionalCurrency	char(5)	Notional currency
TypeOfOption	char(10)	Option type. Possible values: “0” - N/A “1” - Put “2” – Call blank
Multiplier	number 5int 6d	Field not used
MarketingName	char(200)	Marketing name (not expected to be used for Euronext markets)
SecondStrikePrice	Number	Second strike price See Strike Price Interpretation Rules
NominalValue	number 12int 6d	Nominal value
Participation	number 5int 4d	Participation (not expected to be used for Euronext markets)
Bonus	number 5int 4d	Bonus in absolute value (not expected to be used for Euronext markets)
LastRelevantNoticeDate	number int8	Publication date of the last relevant notice (YYYYMMDD) (not expected to be used for Euronext markets)

LastRelevantNoticeNumber	char(22)	Number / identifier of the last relevant notice (not expected to be used for Euronext markets)
Status	char(30)	Trading status. Possible values: “Traded” “Temporary suspended” “Permanently suspended”
ClassType	char(20)	Class type (not expected to be used for Euronext markets)
TradingGroup	char(4)	Optiq trading group
BullBear	char(6)	Long/Short indicator. Possible values: (“Bull”, “Bear”, “N/A”, Blank)
AcepiClass	char(100)	ACEPI class (not expected to be used for Euronext markets)
AcepiType	char(100)	ACEPI type (not expected to be used for Euronext markets)
NDG	number int10	Secondary issuer identification code (not expected to be used for Euronext markets)
LEICode	char(20)	Legal entity identifier
MICCode	char(4)	MIC code
RequestForAdmissionByIssuer	char(1)	Indicates if the issuer of the financial instrument has requested or approved the trading or admission to trading of their financial instruments on a trading venue
ApprovalDateOfAdmission	number int8	Date the issuer has approved admission to trading or trading in its financial instruments on a trading venue (YYYYMMDD)
RequestDateForAdmission	number int8	Date of the request for admission to trading on the trading venue (YYYYMMDD)
MiFIRIdentifier	char(10)	Field not used
RFEParameter	Number 4int	RFE refresh period. Possible values: (“0“ - 0 seconds, “600“ - 0,6 seconds, “3000“ - 3 seconds)
Liquidity	number 3int	Indicates if instrument is liquid or not. Possible values: “0” - Illiquid “1” - Liquid “2” - Not applicable
PreTradeLIS	number 15int	LIS thresholds

MicroCategory	Char(70)	Security micro category (e.g. "Open-End Knock-Out Warrant Call", "Mini-Future Long", …)
SecondStopLoss	number 15int 6d	Field not used
IssueDate	Number 8int	Issuance date
AdjustmentFactor	number 28int 8d	Adjustment Factor
LowerThreshold	Number 13int 7d	Leverage barrier - Lower threshold
UpperThreshold	Number 13int 7d	Leverage barrier - Upper threshold
BarrierCapitalObservation	Char(20)	Barrier observation (not expected to be used for Euronext markets)
BarrierCapitalPercentage	Number	Barrier level for capital protection (not expected to be used for Euronext markets)
BarrierCouponPercentage	Number	Barrier level for coupon payment (not expected to be used for Euronext markets)
AutocallObservation	Char(20)	Autocall observation (not expected to be used for Euronext markets)
BarrierAutocallPercentage	Number	Barrier autocall (not expected to be used for Euronext markets)
PayoffAlteringBarrierPercentage	Number	Barrier that, if reached by underlying, brings to the instrument recall by the issuer (not expected to be used for Euronext markets)
BonusPercentage	Number	Bonus in percentage of nominal amount (not expected to be used for Euronext markets)
ESGProductClassification	Char(50)	ESG classification (not expected to be used for Euronext markets) Possible values: Blank "ESG Green/Environmental" "ESG Social" "ESG Governance" "ESG Sustainability" "ESG Sustainability linked" "ESG Blue" "ESG Transition" "ESG General" "ESG Clean Tech" "ESG ETF art. 8" "ESG ETF art. 9"

		"ESG art. 8" "ESG art. 9"
TargetMarketKID	char(50)	Indicates the target market of the instrument. Possible values: ("Target Market: Professional only", "Target Market: Professional only and No KID", Blank) (not expected to be used for Euronext markets)
KIDLink	char(256)	Unique key investment document (not expected to be used for Euronext markets)
Leverage	Number	Leverage amount
BarrierBreachedIndicator	Char(1)	Indicator for barrier breach. "Y" – if barrier is reached, otherwise "N"
BarrierLevel	Number	Barrier level (not expected to be used for Euronext markets)
ProtectionLevelPercentage	Number	Protection percentage (for protected instruments only) (not expected to be used for Euronext markets)
EuronextCode	Char(12)	Trading code
EuronextDesignation	Char(22)	Instrument name
IssuePrice	Number (22)	Main issuer identification code
IssuePriceCurrency	Char(3)	Issue price currency
StructuredProductsType	Char(1)	Structured product type. Possible values: "1" - Pure indexation "2" - Capital protection "3" - Yield enhancement "4" - Bear indexation "5" - Spread "6" - Digital with barrier "7" - Leverage product with knock out barrier "8" - Plain vanilla warrants
MarketingProductName	Char(40)	Represents a group of instruments sharing the same Instrument Type and Instrument Subtype values ("Open-End Knock-Out Warrant Call", "Mini-Future Long", …). It is the key to interpret the meaning of the values in

		the strike price fields for Euronext markets. See Strike Price Interpretation Rules
CFIcode	Char(6)	CFI code
EUSIPAcode	Char(4)	Classification code given to the instrument by the European Structured Investment Products Association
EUSIPAname	Char(50)	Classification name given to the instrument by the European Structured Investment Products Association
RiskLevel	Char(50)	Risk level. Possible values: “I” - Investment “L” - Leveraged
Strategy	Char(50)	Investment strategy type (not expected to be used for Euronext markets)
UnderlyingCountry	Char(3)	Country code of the underlying
ExerciseType	Number (22)	Please ignore this field
StrikePriceCurrency	Char(3)	Strike price currency
ThirdStrikePrice	Number 15(6)	Third strike price See Strike Price Interpretation Rules
FourthStrikePrice	Number 15(6)	Further strike price See Strike Price Interpretation Rules
ExerciseStartDate	Char(8)	Exercise start date (YYYYMMDD)
SuspensionDate	Char(8)	Trading suspension date (YYYYMMDD)
OpeningTime	Char(5)	Opening time for trading. Possible values: “08:00” “09:05” “11:30” “16:00” “17:00”
ClosingTime	Char(5)	Closing time for trading. Possible values: “16:00” “16:30” “17:00” “17:30” “18:30” “22:00”
NumberDaysBeforeExpiration	Number (22)	Numbers of days between expiry and delisting date
TAKOperiod	Number (22)	Number of days on which trading after Knock-Out is allowed

KIBIstatus	Char(22)	Indicates if instruments has been listed as KIBI
CashSettlementIndicator	Char(2)	Settlement type. Possible values: (“O” – Cash, “N” - Physical delivery, “OP” – Optional”
SettlementPlatform	Char(50)	Clearing platform (e.g. "Euroclear France", "Euroclear Nederland", ...)
US871m	Char(1)	Indicates if instrument is in scope of the US871m rule. Possible values: (“Y”, “N”, Blank)
ProfessionalInvestorsFlag	Number (1)	Indicates if instrument is to be traded by Professional participants only. Possible values: 0 = No (Professional and Retail) 1 = Yes (Professional only)
IssuerCode	Char(12)	Issuer code
TradingType	Char(1)	Trading pattern. Possible values: “C” - Continuous “D” - Double fixing (two phases of continuous) “F” - Fixing “L” - Continuous Late “X” - Not Tradable
InstrumentUnitExpression	Number (22)	Quotation unit. Possible values: “Unit” “Percentage Dirty” “Percentage Mixed” “Percentage Clean” “per ounce” “per kilogram” “Yield”
ClosingPriceType	Char(1)	Indicates the type of closing price configured for the instrument. Possible values: “1” - Last Traded Price (LTP) “2” - Volume Weighted Average Price (VWAP) “3” - Volume Weighted Average Price (VWAP X Trades) “4” - Closing Uncrossing Price – VWAP “5” - Closing Uncrossing Price – BBO “6” - VWAP – BBO “7” - Not Applicable

		“8” - VWAP - Closing Price of Reference Market “9” - Last Adjusted Closing Price (LACP)
DepositaryList	Char(5)	Identification code of the depository organizations. In case there are multiple depository organizations, the values are presented sequentially without any separator. Possible values: “00001” – Euroclear France “00002” – Euroclear Belgium (ex-CIKBelgium) “00003” – Euroclear Nederland (ex-NECIGEF) “00004” – X/N (BoB service) “00005” – VIF (non-fungible Belgian instruments) “00006” – Euroclear Bank “00007” – NIEC “00008” – Physical “00009” – Euronext Paris non Euroclear France “00010” – Euronext Securities | Porto (ex-Interbolsa) “00012” – Euronext Securities | Milan (ex-Monte Titoli) “00000” – No depository organization “Nulls” – Not significant
InstrumentEventDate	Char(8)	Effective date of an update following a corporate action (YYYYMMDD)
MaxOrderAmountCall	Number (22)	Maximum order amount during a call phase
MaxOrderAmountContinuous	Number (22)	Maximum order amount during a continuous phase
MaxOrderQuantityCall	Number (22)	Maximum order quantity during a call phase
MaxOrderQuantityContinuous	Number (22)	Maximum order quantity during a continuous phase
TypeOfMarketAdmission	Char(1)	Type of market admission. Possible values: “A” - Instruments traded on the primary market “B” - Instruments traded on the secondary market

		“C” - Instruments traded on the New Market “D” - Non-regulated market / instruments traded on the free market ('Marche Libre') “E” - Non-regulated market / Alternext “F” - Non listed “G” - Regulated Market / Non equities “H” - Regulated Market / Equities / Segment A “I” - Regulated Market / Equities / Segment B “J - Regulated Market / Equities / Segment C “K” - Regulated Market / All securities / Special Segment “L” - Regulated Market / Equities / Other instruments “S”- OPCVM, SICOMI non listed (French Investment Funds) “6” - Off Market “7” - Gold, Currencies, and Indices “9” - Foreign
OptiqSegment	Number (22)	Optiq segment. Possible values: “1“ - Equities “2“ - Funds “3“ - Fixed Income “4“ - Warrants and Certificates “5“ - Bourse de Luxembourg “6“ - Financial Options “7“ - Financial Futures “8“ - Commodity Derivatives “9“ - Indices “10“ - Trade Reporting and Publication “14“ - Block “11“ - Index Derivatives “12“ - Equity Derivatives “13“ - Financial Derivatives “15“ - Forex “16“ - ISE Bonds and Funds

3.4 Table E: EQY / FND Dividend Files - Record Layout

The Dividend Files list the historical and future (when announced by the issuer) dividend payments.

File Name: BRED_REFDATA_PLUS_DIV_<instrument_type> _<package>_<yyyymmdd>.csv.
Included Instrument Types <instrument_type> :

- **EQY** : Equity and Equity-linked
- **FND**: ETFs

Covered Markets <package>:

- **AMS**: Amsterdam
- **BRX**: Brussels
- **DUB**: Dublin
- **LIS**: Lisbon
- **OSL:** Oslo Børs
- **PAR:** Paris

<yyyymmdd> refers to the generation date of the file. In case the file is regenerated in a future date, the original generation date will be preserved.

File Structure for Equity (EQY) and ETFs (FND) instrument files

To Field Name	DataType	Values Description
TradingDate	number int8	Next trading day (YYYYMMDD)
InstrumentID	char(11)	Unique instrument identifier
ISINCode	char(12)	ISIN code
AnnouncementDate	number 8int	Announcement date by issuer (YYYYMMDD) (optional)
PaymentDate	number 8int	Payment date (YYYYMMDD)
CouponDate	number 8int	Ex-Date (YYYYMMDD)
CouponValue	number 23int 7d	Gross amount
NoticeDate	number 8int	Euronext notice publication date (YYYYMMDD)
NoticeNumber	Char(22	Euronext notice number / identifier
CouponCurrency	char(5)	Gross amount currency
DividendType	char(20)	Dividend type (optional)
DividendOwnerType	char(50)	Field not used

DividendDefinitionType	char(50)	Field not used

3.5 Table L: Events Files - Record Layout

The Events Files list the events occurring on the next trading session. **Note**: an event may be cancelled after being announced.

File Name: BRED_REFDATA_PLUS_EVE_<instrument_type> _<package>_<yyyymmdd>.csv
Included Instrument Types <instrument_type> :

- **EQY:** Equity and Equity-linked
- **FND:** ETFs
- **FI :** Bonds
- **SP:** Structured Products

Covered Markets <package>:

- **AMS**: Amsterdam
- **BRX**: Brussels
- **DUB**: Dublin
- **LIS**: Lisbon
- **OSL:** Oslo Børs
- **PAR:** Paris

<yyyymmdd> refers to the generation date of the file. In case the file is regenerated in a future date, the original generation date will be preserved.

Field Name	DataType	Values Description
TradingDate	number int8	Next trading day (YYYYMMDD)
InstrumentID	char(11)	Unique instrument identifier
ISINCode	char(12)	ISIN code
NDG	number 10int	Secondary issuer identification code (not expected to be used for Euronext markets)
EventDescription	char(75)	Event type description
NoticeNumber	Char(22)	Euronext notice number / identifier
NoticeDate	number int8	Euronext notice publication date (YYYYMMDD)
EventDate	number int8	Event date (YYYYMMDD)

STRIKE PRICE INTERPRETATION RULES

See "Strike Price Interpretation Rules.xls" available on https://connect2.euronext.com/en/data/client-specifications.

STRUCTURE OF DIRECTORIES AND .ZIP FILES

Directory	Zip Folder	File Name
CSH_EU_**AMS**_REF_MASTER /CSH_EU_**AMS**_REF_MASTER_yyyy /CSH_EU_**AMS**_REF_MASTER_yyyymm/	/BRED_REFDATA_PLUS_**EQY**_AMS_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_EQY_AMS_yyyymmdd.csv REFDATA_PLUS_**DIV**_EQY_AMS_yyyymmdd.csv REFDATA_PLUS_**EVE**_EQY_AMS_yyyymmdd.csv
	/BRED_REFDATA_PLUS_**FI**_AMS_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_FI_AMS_yyyymmdd.csv REFDATA_PLUS_**EVE**_FI_AMS_yyyymmdd.csv
	/BRED_REFDATA_PLUS_**FND**_AMS_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_FND_AMS_yyyymmdd.csv REFDATA_PLUS_**DIV**_FND_AMS_yyyymmdd.csv REFDATA_PLUS_**EVE**_FND_AMS_yyyymmdd.csv
	/BRED_REFDATA_PLUS_**SP**_AMS_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_SP_AMS_yyyymmdd.csv REFDATA_PLUS_**EVE**_SP_AMS_yyyymmdd.csv
CSH_EU_**BRX**_REF_MASTER /CSH_EU_**BRX**_REF_MASTER_yyyy /CSH_EU_**BRX**_REF_MASTER_yyyymm/	/BRED_REFDATA_PLUS_**EQY**_BRX_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_EQY_BRX_yyyymmdd.csv REFDATA_PLUS_**DIV**_EQY_BRX_yyyymmdd.csv REFDATA_PLUS_**EVE**_EQY_BRX_yyyymmdd.csv
	/BRED_REFDATA_PLUS_**FI**_BRX_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_FI_BRX_yyyymmdd.csv REFDATA_PLUS_**EVE**_FI_BRX_yyyymmdd.csv
	/BRED_REFDATA_PLUS_**FND**_BRX_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_FND_BRX_yyyymmdd.csv REFDATA_PLUS_**DIV**_FND_BRX_yyyymmdd.csv REFDATA_PLUS_**EVE**_FND_BRX_yyyymmdd.csv
	/BRED_REFDATA_PLUS_**SP**_BRX_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_SP_BRX_yyyymmdd.csv REFDATA_PLUS_**EVE**_SP_BRX_yyyymmdd.csv
CSH_EU_**DUB**_REF_MASTER /CSH_EU_**DUB**_REF_MASTER_yyyy /CSH_EU_**DUB**_REF_MASTER_yyyymm/	/BRED_REFDATA_PLUS_**EQY**_DUB_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_EQY_DUB_yyyymmdd.csv REFDATA_PLUS_**DIV**_EQY_DUB_yyyymmdd.csv REFDATA_PLUS_**EVE**_EQY_DUB_yyyymmdd.csv
	/BRED_REFDATA_PLUS_**FND**_DUB_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_FND_DUB_yyyymmdd.csv REFDATA_PLUS_**DIV**_FND_DUB_yyyymmdd.csv REFDATA_PLUS_**EVE**_FND_DUB_yyyymmdd.csv
CSH_EU_**LIS**_REF_MASTER /CSH_EU_**LIS**_REF_MASTER_yyyy /CSH_EU_**LIS**_REF_MASTER_yyyymm/	/BRED_REFDATA_PLUS_**EQY**_LIS_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_EQY_LIS_yyyymmdd.csv REFDATA_PLUS_**DIV**_EQY_LIS_yyyymmdd.csv REFDATA_PLUS_**EVE**_EQY_LIS_yyyymmdd.csv
	/BRED_REFDATA_PLUS_**FI**_LIS_yyyyMMdd.zip/	REFDATA_PLUS_**INSTR**_FI_LIS_yyyymmdd.csv REFDATA_PLUS_**EVE**_FI_LIS_yyyymmdd.csv
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	/BRED_REFDATA_PLUS_**SP**_LIS_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_SP_LIS_yyyymmdd.csv REFDATA_PLUS_**EVE**_SP_LIS_yyyymmdd.csv
CSH_EU_**OSL**_REF_MASTER /CSH_EU_**OSL**_REF_MASTER_yyyy /CSH_EU_**OSL**_REF_MASTER_yyyymm/	/BRED_REFDATA_PLUS_**EQY**_OSL_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_EQY_OSL_yyyymmdd.csv REFDATA_PLUS_**DIV**_EQY_OSL_yyyymmdd.csv REFDATA_PLUS_**EVE**_EQY_OSL_yyyymmdd.csv
	/BRED_REFDATA_PLUS_**FI**_OSL_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_FI_OSL_yyyymmdd.csv REFDATA_PLUS_**EVE**_FI_OSL_yyyymmdd.csv
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CSH_EU_**PAR**_REF_MASTER /CSH_EU_**PAR**_REF_MASTER_yyyy /CSH_EU_**PAR**_REF_MASTER_yyyymm/	/BRED_REFDATA_PLUS_**EQY**_PAR_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_EQY_PAR_yyyymmdd.csv REFDATA_PLUS_**DIV**_EQY_PAR_yyyymmdd.csv REFDATA_PLUS_**EVE**_EQY_PAR_yyyymmdd.csv
	/BRED_REFDATA_PLUS_**FI**_PAR_yyyymmdd.zip/	REFDATA_PLUS_**INSTR**_FI_PAR_yyyymmdd.csv REFDATA_PLUS_**EVE**_FI_PAR_yyyymmdd.csv
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REVISION HISTORY

Revision No.	Date	Change Description
5.355.0	13 January 2026	First document version