BRASIL BOLSA BALCÃO

BRAZILIAN EXCHANGE AND OTC.

UP2DATA

TAXONOMY CATALOG

Revision History

Date	Version	Description
January 18, 2018	1.0	Initial version

Introduction

The purpose of this document is to present in a catalog format the data contained in the files created for the UP2DATA service. All files described in this document are available in the following formats: TXT, XML, JSON and CSV.

The table below shows the breakdown of the Channels vs. files that make up the Channel, Subchannels, the UP2DATA file name, and the file name available in the Directory.

Channel	Subchannel	UP2DATA File	Directory File
Commodities	OpenPosition	OpenPositionFile	Commodities_OpenPositionFile_yyyyMMdd
Commodities	ReferencePrice	ReferencePriceFile	Commodities_ReferencePriceFile_yyyyMMdd
Commodities	SecurityList	FutureContractsInstrumentFile	Commodities_FutureContractsInstrumentFile_yyyyMMdd
Commodities	SecurityList	OptionInstrumentFile	Commodities_OptionInstrumentFile_yyyyMMdd
Commodities	SecurityList	StructuredOperationInstrumentFile	Commodities_StructuredOperationInstrumentFile_yyyyMMdd
Commodities	SecurityList	SwapInstrumentFile	Commodities_SwapInstrumentFile_yyyyMMdd
Commodities	SettlementPrice	SettlementPriceFile	Commodities_AdjustmentPriceFile_yyyyMMdd
Commodities	TradeInformation	EODPriceFile	Commodities_EODPriceFile_yyyyMMdd
Commodities	TradeInformation	TradeInformationFile	Commodities_TradeInformationFile_yyyyMMdd
Currency	OpenPosition	OpenPositionFile	Currency_OpenPositionFile_yyyyMMdd
Currency	ReferencePrice	ReferencePriceFile	Currency_ReferencePriceFile_yyyyMMdd
Currency	SecurityList	FutureContractsInstrumentFile	Currency_FutureContractsInstrumentFile_yyyyMMdd
Currency	SecurityList	OptionInstrumentFile	Currency_OptionInstrumentFile_yyyyMMdd
Currency	SecurityList	StructuredOperationInstrumentFile	Currency_StructuredOperationInstrumentFile_yyyyMMdd
Currency	SecurityList	SwapInstrumentFile	Currency_SwapInstrumentFile_yyyyMMdd
Currency	SettlementPrice	SettlementPriceFile	Currency_AdjustmentPriceFile_yyyyMMdd
Currency	TradeInformation	EODPriceFile	Currency_EODPriceFile_yyyyMMdd
Currency	TradeInformation	TradeInformationFile	Currency_TradeInformationFile_yyyyMMdd
Curves	-	CurveFile	Curves_CurveFile_yyyyMMdd
Economic_Indicator	-	EconomicIndicatorFile	Economic_Indicator_EconomicIndicatorFile_yyyyMMdd
Equities	ETFTrade	ETFTradeFile	Equities_ETFTradeFile_yyyyMMdd
Equities	OpenPosition	ForwardOpenPositionFile	Equities_ForwardOpenPositionFile_yyyyMMdd

Equities	OpenPosition	IndexesOpenPositionFile	Equities_Indexes_OpenPositionFile_ yyyyMMdd
Equities	OpenPosition	OpenPositionFile	Equities_OpenPositionFile_yyyyMMdd
Equities	OpenPosition	OptionOnEquitiesInstrumentFile	Equities_OptionOnEquitiesInstrumentFile_yyyyMMdd
Equities	OpenPosition	SecuritiesLendingPositionFile	Equities_SecuritiesLendingPositionFile_yyyyMMdd
Equities	ReferencePrice	BDRReferencePriceFile	Equities_BDR_ReferencePriceFile_yyyyMMdd
Equities	ReferencePrice	OptionOnEquitiesInstrumentFile	Equities_OptionOnEquitiesInstrumentFile_yyyyMMdd
Equities	ReferencePrice	ReferencePriceFile	Equities_ReferencePriceFile_yyyyMMdd
Equities	SecurityList	EquityInstrumentFile	Equities_EquityInstrumentFile_yyyyMMdd
Equities	SecurityList	FutureContractsInstrumentFile	Equities_FutureContractsInstrumentFile_yyyyMMdd
Equities	SecurityList	OptionInstrumentFile	Equities_OptionInstrumentFile_yyyyMMdd
Equities	SecurityList	OptionOnEquitiesInstrumentFile	Equities_OptionOnEquitiesInstrumentFile_yyyyMMdd
Equities	SettlementPrice	SettlementPriceFile	Equities_AdjustmentPriceFile_yyyyMMdd
Equities	TradeInformation	EODPriceFile	Equities_EODPriceFile_yyyyMMdd
Equities	TradeInformation	ForwardTradeInformationIndexFile	Equities_ TradeInformation_yyyyMMdd
Equities	TradeInformation	IndexesEODPriceFile	Equities_Indexes_EODPriceFile_ yyyyMMdd
Equities	TradeInformation	IndexesTradeInformationFile	Equities_Indexes_TradeInformationFile_ yyyyMMdd
Equities	TradeInformation	TradeInformationFile	Equities_TradeInformationFile_yyyyMMdd
Equities	TradeInformation	TradeInformationIndexFile	Equities_TradeInformationIndexFile_yyyyMMdd
Index	PortfolioComposition	PortfolioCompositionFile	Index_PortfolioCompositionFile_yyyyMMdd
Index	StockPerIndex	StockPerIndexFile	Index_StockPerIndexFile_yyyyMMdd
Index	TradeInformation	TradeInformationFile	Index_TradeInformationFile_yyyyMMdd
Interest_Rate	OpenPosition	OpenPositionFile	Interest_Rate_OpenPositionFile_yyyyMMdd
Interest_Rate	ReferencePrice	ReferencePriceFile	Interest_Rate_ReferencePriceFile_yyyyMMdd
Interest_Rate	SecurityList	FutureContractsInstrumentFile	Interest_Rate _FutureContractsInstrumentFile_yyyyMMdd
Interest_Rate	SecurityList	OptionInstrumentFile	Interest_Rate_OptionInstrumentFile_yyyyMMdd
Interest_Rate	SecurityList	StructuredOperationInstrumentFile	Interest_Rate_StructuredOperationInstrumentFile_yyyyMMdd
Interest_Rate	SecurityList	SwapInstrumentFile	Interest_Rate_SwapInstrumentFile_yyyyMMdd
Interest_Rate	SettlementPrice	SettlementPriceFile	Interest_Rate_AdjustmentPriceFile_yyyyMMdd

Interest_Rate	TradeInformation	EODPriceFile	Interest_Rate _EODPriceFile_yyyyMMdd
Interest_Rate	TradeInformation	TradeInformationFile	Interest_Rate_TradeInformationFile_yyyyMMdd
Volatility_Surface	VolatilitySurface	VolatilitySurfaceFile	Volatility_Surface_VolatilitySurfaceFile_yyyyMMdd

The table below brings a brief explanation about the fields in the UP2DATA Taxonomy Catalog.

Field	Description
Index	This item displays the index. The field also shows a hierarchy in an XML file.
Message Item	This item displays the field name in full.
Tag	This item displays the ALIAS of the field.
Mult.	This item displays the cardinality of the field and indicates whether it is mandatory or optional.
Data Type	This item displays the field data type.
Data Type Details	This item displays the characteristic of the field data type.
Description	This item displays a brief description of the field.

CurveFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	Curve	Crv	[0..*]	+		Contains the option instruments. Contains the curves.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	RateCode	RateCd	[1..1]	Max5Text	string maxLength = 5 minLength = 1	Rate code
1.3	RateDescription	RateDesc	[1..1]	Max15Text	string maxLength = 15 minLength = 1	Rate description.
1.4	YieldCurveCode	YldCrvCd	[1..1]	Max5Text	string maxLength = 5 minLength = 1	Yield curve code
1.5	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.6	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.7	MarketIdentifierCod e	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (Securities Exchange)
1.8	WorkingDays	WrkgDays	[1..1]	int	int	Provides the number of business days, considering the date of the trading session until the date of contract expiration (inclusive).
1.9	VertexCharacteristic	VrtxChrtc	[1..1]	Max5Text	string maxLength = 5 minLength = 1	Vertex characteristic. Ex: Fixo Móvel
1.10	CalendarDays	ClnrDays	[1..1]	int	int	Provides the number of calendar days, considering the date of the trading session until the date of contract expiration (inclusive).
1.11	VertexCode	VrtxCd	[1..1]	int	int	Vertex code.
1.12	TheoreticalRate	ThrlRate	[1..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd7DecimalAmount	decimal fractionDigits = 7 totalDigits = 19	Theoretical rate.

EquityInstrumentFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	EquityInstrument	EqtyInstrm	[0..*]	+		Contains the Equity Instrument
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string	Ticker that identifies a stock traded on a stock exchange. The Ticker

					maxLength = 35 minLength = 1	Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	Asset	Asst	[1..1]	Max30Text	string maxLength = 30 minLength = 1	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, PETR etc.
1.7	AssetDescription	AsstDesc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Commodity description.
1.8	Segment	Sgmt	[1..1]	ExternalSegmentCode	int	A Segment represents the first level of market classification in the post trade process. Example: 1 - Equity - Cash 2 - Equity derivatives 3 - Corporate bonds 4 - Agribusiness 5 - Financial 6 - Metal 7 - Energy 8 - Gov. Bonds 9 - FX This field requires an external code list. These codes and values weremade in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalSegmentCode in the file ExternalCodeLists_BVMF.xls.
1.9	Market	Mkt	[1..1]	ExternalMarketCode	int	A Market represents the Second level of market classification in the post trade process. Example: 1 - Spot Market 2 - Futures Market 3 - Options on Spot 4 - Options on Futures 5 - Forward 10 - Cash 12 - Options exercise (call) 13 - Options exercise (put)

						17 - Auction 20 - Odd Lot 30 - Equity Forward 70 - Equity Call 80 - Equity Put This field requires an external code list. These codes and values were made external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalMarketCode
1.10	Description	Desc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Description of the security in the trading system, e.g., Opção sobre ação, Opção sobre índice, Ouro, Futuro de Dolar, Swap Cambial, Rolagem de Soja, FWD Points DOL and so on.
1.11	SecurityCategory	SctyCtgy	[0..1]	ExternalSecurityCategoryCode	int	A Security Category represents the third level of market classification in the post trade process. This field requires an external code list. These codes and values weremade in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalSecurityCategoryCode in the file ExternalCodeLists_BVMF.xls.
1.12	TradingStartDate	TradgStartDt	[1..1]	ISODate	date	Start date of the financial instrument trading.
1.13	TradingEndDate	TradgEndDt	[1..1]	ISODate	date	Completion date of the financial instrument trading.
1.14	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.15	CFICode	CFICd	[0..1]	Max6Text	string minLength = 1 maxLength = 6	Code that classifies the instrument.
1.16	PaymentType	PmtTp	[1..1]	ExternalPaymentTypeCode	int	Specifies how the transaction is to be settled. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalPaymentTypeCode ExternalCodeLists_BVMF.xls.
1.17	AllocationRoundLot	AllcnRndLot	[0..1]	int	int	Pre-defined lot size for allocation purposes.
1.18	TradingCurrency	TradgCcy	[0..1]	ExternalActiveOrHistoricCurrencyCode	string length = 3	This attribute has the code of the trading currency. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalActiveOrHistoricCurrencyCode ExternalCodeLists_BVMF.xls.
1.19	ValueTypeCode	ValTpCd	[1..1]	ExternalValueTypeCode	int	Code that identifies how the economic indicator value is expressed, e.g., price or rate.

						This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalValueTypeCode in the file ExternalCodeLists_BVMF.xls.
1.20	DistributionIdentification	DstrbtnId	[1..1]	int	int	Distribution code of the instrument Code that identifies the asset version. The pair "ISIN" + "Distribution Identification" is required for instruments that have a depositary, such as stocks and gold. There is no distribution for derivatives.
1.21	SpecificationCode	SpcfctnCd	[0..1]	Max10Text	string maxLength = 10 minLength = 1	Code for specification ofthe stock e.g.: ON, PN.
1.22	CorporationName	CrpnNm	[1..1]	Max250Text	string maxLength = 250 minLength = 1	This field provides the corporation name.
1.23	PriceFactor	PricFctr	[1..1]	int	int	A factor that indicates the number of shares that make up the price. The order price is displayed based on the price factor, e.g., if price factor is 1, the order price refers to 1 share. If the price factor is 1000, the order price represents the price of 1000 shares.
1.24	CorporateActionStartDate	CorpActnStartDt	[0..1]	ISODate	date	Starting date of Corporate Action (dividends or bonuses distributed to shareholders by the company).
1.25	EXDistributionNumber	EXDstrbtnNb	[0..1]	int	int	Code distribution of the EX instrument.
1.26	CustodyTreatmentType	CtdyTrtmntTp	[0..1]	ExternalCustodyTreatmentTypeCode	int	Provides the custody treatment type code. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalCustodyTreatmentTypeCode in the ExternalCodeLists_BVMF.xls.
1.27	MarketCapitalisation	MktCptlstn	[0..1]	RestrictedFINImpliedCurrencyAndAmount	decimal	Share capital value of the legal entity (resident, non resident or non resident with CVM).
1.28	FirstPrice	FrstPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Opening price of the day.
1.29	LastPrice	LastPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Closing price of the day.
1.30	GovernanceIndicator	GovnInd	[0..1]	ExternalGovernanceIndicatorCode	string maxLength = 2	A Governance Indicator represents the corporate governance level, classified according to the number of rules or practices adopted, Example: "N1" - "Nivel 1", "N2" - "Nível 2", "NM" - "Novo mercado", "MB" - "Mercado de Balcao",

						"MA" - "Bovespa Mais. Corporate Governance consists of a standardization of practices and relationships between Shareholders, the Board of Directors, Executive Officers, Independent Audit and Audit Committee, in order to optimize business performance and facilitate access to capital. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalGovernanceIndicatorCode ExternalCodeLists_BVMF.xls.
1.31	DaysToSettlement	DaysToSttlm	[1..1]	Max4Text	string maxLength = 4 minLength = 1	Indicates the number of days to settlement.
1.32	RightsIssuePrice	RghtsIssePric	[0..1]	RestrictedFINActiveOrHistoricCurrencyAnd10DecimalAmount	decimal fractionDigits = 10 minInclusive = 0 totalDigits = 25	Provides the rights issuance price.
1.33	UnderlyingInstrumentIdentification	UndrlygInstrmId	[0..1]	Max35Text	string maxLength = 35 minLength = 1	Contains the identification of the underlying instrument.
1.34	AssetSubType	AsstSubTp	[0..1]	ExternalAssetSubTypeCode	string maxLength = 4 minLength = 1	Asset Sub Type. This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalAssetSubTypeCode in the file ExternalCodeLists_BVMF.xls.
1.35	TargetInstrumentIdentification	TrgtInstrmId	[0..1]	int	int	Identifies the target instrument.
1.36	AuctionType	AuctnTp	[0..1]	ExternalAuctionInstrumentTypeCode	int	AuctionType. This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalAuctionInstrumentTypeCode in the file ExternalCodeLists_BVMF.xls.

FutureContractsInstrumentFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	FutureContractsInstrument	FutrCtrctsInstrm	[0..*]	+		Contains the futures contract instruments.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35	Single numeric code used to identify the instrument in the B3 trading environment.

					minLength = 1	
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	Asset	Asst	[1..1]	Max30Text	string maxLength = 30 minLength = 1	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, PETR etc.
1.7	AssetDescription	AsstDesc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Commodity description.
1.8	Segment	Sgmt	[1..1]	ExternalSegmentCode	int	A Segment represents the first level of market classification in the post trade process. Example: 1 - Equity - Cash 2 - Equity derivatives 3 - Corporate bonds 4 - Agribusiness 5 - Financial 6 - Metal 7 - Energy 8 - Gov. Bonds 9 - FX This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalSegmentCode in the file ExternalCodeLists_BVMF.xls
1.9	Market	Mkt	[1..1]	ExternalMarketCode	int	A Market represents the Second level of market classification in the post trade process. Example: 1 - Spot Market 2 - Futures Market 3 - Options on Spot 4 - Options on Futures 5 - Forward 10 - Cash 12 - Options exercise (call) 13 - Options exercise (put) 17 - Auction 20 - Odd Lot 30 - Equity Forward 70 - Equity Call 80 - Equity Put

						This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalMarketCode
1.10	Description	Desc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Description of Security in the Trade Structure system, e.g., Opção sobre ação, Opção sobre índice, Ouro, Futuro de Dolar, Swap Cambial, Rolagem de Soja, FWD Points DOL and so on.
1.11	SecurityCategory	SctyCtgy	[0..1]	ExternalSecurityCategoryCode	int	A Security Category represents the third level of market classification in the post trade process. This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalSecurityCategoryCode in the file ExternalCodeLists_BVMF.xls
1.12	ExpirationDate	XprtnDt	[1..1]	ISODate	date	This attribute is the maturity date of the instrument.
1.13	ExpirationCode	XprtnCd	[1..1]	Max4Text	string maxLength = 4 minLength = 1	Code of contract expiration. This attribute has two types of format: Format: MYY M = Month Code Y = Year Code Format: MYOA where: M = Month Code Y = Year Code O = Option Code A = Alphanumeric Sequence Code
1.14	TradingStartDate	TradgStartDt	[1..1]	ISODate	date	Start date of the financial instrument trading.
1.15	TradingEndDate	TradgEndDt	[1..1]	ISODate	date	Completion date of the financial instrument trading.
1.16	BaseCode	BaseCd	[0..1]	int	int	Basis for counting days. The number of days in the period of calculating, e.g., 252, 360, 365. Note: This field is used only for conversion from RATE to PRICE. This situation only applies to the following commodities: - DDI - DAP - DDM - DI1 - DIL Note: SCC is traded in RATE but it is not meant to be converted to price.

1.17	ConversionCriteria	ConvsCrit	[0..1]	ExternalConversionCriteriaTypeCode	int	Type of criteria of conversion, e.g., linear, exponential, non available. This field is used only for contracts traded in rate and needs to be converted to price. Currently this situation only occurs in the following commodities - DDI - DAP - DDM - DI1 - DIL Note: The foreign exchange swap is traded in rate but is not converted to price. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalConversionCriteriaTypeCode ExternalCodeLists_BVMF.xls
1.18	MaturityDateTargetPoint	MtrtyDtTrgtPt	[0..1]	int	int	Contract value in points. This field is used along with the Base Code and Conversion Criteria Type to allow conversion from rate to price
1.19	RequiredConversionIndicator	ReqrdConvsInd	[0..1]	YesNoIndicator	boolean	Indicates whether an interest rate contract must be converted to price or not. Currently the only contract in rate that does not need to be converted is the foreign exchange swap. This field will not be filled for contracts traded price.
1.20	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.21	CFICode	CFICd	[0..1]	Max6Text	string minLength = 1 maxLength = 6	Code that classifies the instrument.
1.22	DeliveryNoticeStartDate	DlvryNtceStartDt	[0..1]	ISODate	date	Starting date of delivery notice. A notice written by the holder of the short position in a futures contract informing the clearing house of the intent and details of delivering a commodity for settlement.
1.23	DeliveryNoticeEndDate	DlvryNtceEndDt	[0..1]	ISODate	date	Final date for the physical delivery, it is the deadline to deliver the object of the contract. A notice written by the holder of the short position in a futures contract informing the clearing house of the intent and details of delivering a commodity for settlement.

1.24	DeliveryType	DlvryTp	[1..1]	ExternalDeliveryTypeCode	int	Code that identifies the type of delivery at maturity,e.g., Physical Delivery, Financial Delivery. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalDeliveryTypeCode ExternalCodeLists_BVMF.xls
1.25	PaymentType	PmtTp	[1..1]	ExternalPaymentTypeCode	int	Specifies how the transaction is to be settled. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalPaymentTypeCode ExternalCodeLists_BVMF.xls
1.26	ContractMultiplier	CtrctMltplr	[0..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Is the ratio between the contract size and the trading reference quantity. For Instance, Cattle is a 330 arrobas contract, but trade price refers to 1 arroba, so the multiplier is 330. Dollar contracts are 50000 USD but the price refers to 1000 USD, so the multiplier is 50. For contracts traded in rate instead of price, this attribute represents the ratio between target points and contract size
1.27	AssetQuotationQuantity	AsstQtnQty	[0..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Indicates the commodity quantity in which the trading price is based on. For example: Cattle trading price is based on 1 arroba. Dollar trading price is based on 1000 dollars. This field is filled in with “1” if the instrument is traded at interest rate
1.28	AllocationRoundLot	AllcnRndLot	[0..1]	int	int	Pre-defined lot size for allocation purposes.
1.29	TradingCurrency	TradgCcy	[1..1]	ExternalActiveOrHistoricCurrencyCode	string length = 3	This attribute has the code of the trading currency. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalActiveOrHistoricCurrencyCode ExternalCodeLists_BVMF.xls
1.30	ValueTypeCode	ValTpCd	[1..1]	ExternalValueTypeCode	int	Code that defines the type of value of instrument, e.g.,price or rate. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalValueTypeCode ExternalCodeLists_BVMF.xls
1.31	WithdrawalDays	WdrwlDays	[1..1]	int	int	Provides the the number of days of withdrawal, considering the date of the trading session until the contract expiration date (inclusive).
1.32	WorkingDays	WrkgDays	[1..1]	int	int	Provides the number of business days, considering the date of the trading session until the date of contract expiration (inclusive).
1.33	CalendarDays	ClnrDays	[1..1]	int	int	Provides the number of calendar days, considering the date of the trading session until the date of contract expiration (inclusive).

OptionInstrumentFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	OptionInstrument	OptnInstrm	[1..*]	+		Contains the option instruments.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numericSingle numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	Asset	Asst	[1..1]	Max30Text	string maxLength = 30 minLength = 1	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, PETR etc.
1.7	AssetDescription	AsstDesc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Commodity description.
1.8	Segment	Sgmt	[1..1]	ExternalSegmentCode	int	A Segment represents the first level of market classification in the post trade process. Example: 1 - Equity - Cash 2 - Equity derivatives 3 - Corporate bonds 4 - Agribusiness 5 - Financial 6 - Metal 7 - Energy 8 - Gov. Bonds 9 - FX This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalSegmentCode in the file ExternalCodeLists_BVMF.xls
1.9	Market	Mkt	[1..1]	ExternalMarketCode	int	A Market represents the Second level of market classification in the post trade process. Example: 1 - Spot Market

						2 - Futures Market 3 - Options on Spot 4 - Options on Futures 5 - Forward 10 - Cash 12 - Options exercise (call) 13 - Options exercise (put) 17 - Auction 20 - Odd Lot 30 - Equity Forward 70 - Equity Call 80 - Equity Put This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalMarketCode
1.10	Description	Desc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Description of Security in the Trade Structure system, e.g., Opção sobre ação, Opção sobre índice, Ouro, Futuro de Dolar, Swap Cambial, Rolagem de Soja, FWD Points DOL and so on.
1.11	ExpirationDate	XprtnDt	[1..1]	ISODate	date	This attribute is the maturity date of the instrument.
1.12	ExpirationCode	XprtnCd	[1..1]	Max4Text	string maxLength = 4 minLength = 1	Code of contract expiration. This attribute has two types of format: Format: MYY M = Month Code Y = Year Code Format: MYOA where: M = Month Code Y = Year Code O = Option Code A = Alphanumeric Sequence Code
1.13	TradingStartDate	TradgStartDt	[1..1]	ISODate	date	Start date of the financial instrument trading.
1.14	TradingEndDate	TradgEndDt	[1..1]	ISODate	date	Completion date of the financial instrument trading.
1.15	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.16	CFICode	CFICd	[0..1]	Max6Text	string minLength = 1 maxLength = 6	Code that classifies the instrument.
1.17	ContractMultiplier	CtrctMltplr	[0..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Is the ratio between the contract size and the trading reference quantity. For Instance, Cattle is a 330 arrobas contract, but trade price refers to 1 arroba, so the multiplier is 330. Dollar contracts are

						50000 USD but the price refers to 1000 USD, so the multiplier is 50. For contracts traded in rate instead of price, this attribute represents the ratio between target points and contract size
1.18	AssetQuotationQuantity	AsstQtnQty	[0..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Indicates the commodity quantity the trading price is based on. For example: Cattle trading price is based on 1 arroba. Dollar trading price is based on 1000 dollars. This field is filled in with “1” if the instrument is traded at interest rate
1.19	AllocationRoundLot	AllcnRndLot	[0..1]	int	int	Pre-defined lot size for allocation purposes.
1.20	TradingCurrency	TradgCcy	[1..1]	ExternalActiveOrHistoricCurrencyCode	string length = 3	This attribute has the code of the trading currency. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalActiveOrHistoricCurrencyCode ExternalCodeLists_BVMF.xls
1.21	WithdrawalDays	WdrwlDays	[1..1]	int	int	Provides the the number of days of withdrawal, considering the date of the trading session until the contract expiration date (inclusive).
1.22	WorkingDays	WrkgDays	[1..1]	int	int	Provides the number of business days, considering the date of the trading session until the date of contract expiration (inclusive).
1.23	CalendarDays	ClnrDays	[1..1]	int	int	Provides the number of calendar days, considering the date of the trading session until the date of contract expiration (inclusive).
1.24	ExercisePrice	ExrcPric	[1..1]	RestrictedFINActiveOrHistoricCurrencyAnd10DecimalAmount	decimal fractionDigits = 10 minInclusive = 0 totalDigits = 25	Preset price at which the holder of a derivative will buy or sell the underlying instrument.
1.25	OptionStyle	OptnStyle	[1..1]	OptionStyle2Code	string	Specifies how an option can be exercised (American, European)
1.26	OptionType	OptnTp	[1..1]	OptionType1Code	string	Specifies whether it is a Call option (right to purchase a specific underlying asset) or a Put option (right to sell a specific underlying asset).
1.27	UnderlyingTickerSymbol	UndrlygTckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Identification underlying instrument (Ticker Symbol). Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.28	PremiumUpfrontIndicator	PrmUpfrntInd	[1..1]	YesNoIndicator	boolean	Indicates whether the option on equities have its premium paid upfront or not.

1.29	OpeningPositionLimitDate	OpngPosLmtDt	[1..1]	ISODate	date	Deadline for open positions.
1.30	PureGoldWeight	PureGoldWght	[0..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Quantity that defines the real pure gold weight in each futures contract. As long as only the 250 g contract is traded, the pure gold weight will always be 249,75 g.

OptionOnEquitiesInstrumentFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	OptionOnEquities	OptnOnEqts	[0..*]	+		This DVA file contains the options on equities.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numericSingle numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	Asset	Asst	[1..1]	Max30Text	string maxLength = 30 minLength = 1	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, PETR etc.
1.7	AssetDescription	AsstDesc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Commodity description.
1.8	Segment	Sgmt	[1..1]	ExternalSegmentCode	int	A Segment represents the first level of market classification in the post trade process. Example: 1 - Equity - Cash 2 - Equity derivatives 3 - Corporate bonds 4 - Agribusiness 5 - Financial 6 - Metal 7 - Energy 8 - Gov. Bonds 9 - FX

						This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalSegmentCode in the file ExternalCodeLists_BVMF.xls
1.9	Market	Mkt	[1..1]	ExternalMarketCode	int	A Market represents the Second level of market classification in the post trade process. Example: 1 - Spot Market 2 - Futures Market 3 - Options on Spot 4 - Options on Futures 5 - Forward 10 - Cash 12 - Options exercise (call) 13 - Options exercise (put) 17 - Auction 20 - Odd Lot 30 - Equity Forward 70 - Equity Call 80 - Equity Put This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalMarketCode
1.10	Description	Desc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Description of Security in the Trade Structure system, e.g., Opção sobre ação, Opção sobre índice, Ouro, Futuro de Dolar, Swap Cambial, Rolagem de Soja, FWD Points DOL and so on.
1.11	SecurityCategory	SctyCtgy	[0..1]	ExternalSecurityCategoryCode	int	A Security Category represents the third level of market classification in the post trade process. This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalSecurityCategoryCode in the file ExternalCodeLists_BVMF.xls.
1.12	TradingStartDate	TradgStartDt	[1..1]	ISODate	date	Start date of the financial instrument trading.
1.13	TradingEndDate	TradgEndDt	[1..1]	ISODate	date	Completion date of the financial instrument trading.
1.14	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.

1.15	CFICode	CFICd	[0..1]	Max6Text	string minLength = 1 maxLength = 6	Code that classifies the instrument.
1.16	DeliveryType	DlvryTp	[1..1]	ExternalDeliveryTypeCode	int	Code that identifies the type of delivery at maturity,e.g., Physical Delivery, Financial Delivery. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalDeliveryTypeCode ExternalCodeLists_BVMF.xls
1.17	PaymentType	PmtTp	[1..1]	ExternalPaymentTypeCode	int	Specifies how the transaction is to be settled. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalPaymentTypeCode ExternalCodeLists_BVMF.xls.
1.18	AllocationRoundLot	AllcnRndLot	[0..1]	int	int	Pre-defined lot size for allocation purposes.
1.19	TradingCurrency	TradgCcy	[1..1]	ExternalActiveOrHistoricCurrencyCode	string length = 3	This attribute has the code of the trading currency. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalActiveOrHistoricCurrencyCode ExternalCodeLists_BVMF.xls.
1.20	DistributionIdentification	DstrbtnId	[1..1]	int	int	Distribution code of the instrument Code that identifies the asset version. The pair "ISIN" + "Distribution Identification" is required for instruments that have a depositary, such as stocks and gold. There is no distribution for derivatives.
1.21	PriceFactor	PricFctr	[1..1]	int	int	A factor that indicates the number of stocks that make up the price. The order price is displayed based on the price factor, e.g., if price factor is 1, the order price refers to 1 stock. If the price factor is 1000, the order price represents the price of 1000 stocks.
1.22	DaysToSettlement	DaysToSttlm	[1..1]	Max4Text	string maxLength = 4 minLength = 1	Indicates the number of days to settlement.
1.23	ExercisePrice	ExrcPric	[1..1]	RestrictedFINActiveOrHistoricCurrencyAnd10DecimalAmount	decimal fractionDigits = 10 minInclusive = 0 totalDigits = 25	Preset price at which the holder of a derivative will buy or sell the underlying instrument.
1.24	OptionStyle	OptnStyle	[0..1]	OptionStyle4Choice		Specifies how an option can be exercised
1.25	OptionType	OptnTp	[0..1]	OptionType2Choice		Specifies whether it is a Call option (right to purchase a specific underlying asset) or a Put option (right to sell a specific underlying

						asset).
1.26	UnderlyingInstrumentIdentification	UndrlygInstrmId	[0..1]	Max35Text	string	Contains the identification of the underlying instrument
1.27	PremiumUpfrontIndicator	PrmUpfrntInd	[1..1]	YesNoIndicator	boolean	Indicates whether the option on equities have its premium paid upfront or not.
1.28	SeriesType	SrsTp	[0..1]	ExternalSeriesType Code	int	Type of series related to strike price updates. Example: 0 - "Sem correção", 1 - "Correção pela taxa do dolar (não protegida)", 2 - "Correção pela TJLP", 3 - "Correção pela TR", 4 - "Correção pelo IPCR" , 5 - "Opções de troca - SWOPTIONS", 6 - "Opções em pontos de indices", 7 - "Correção pela taxa do dolar (protegida)", 8 - "Correção pelo IGP-M - opções protegidas", 9 - "Correção pela URV", 234 - "Correção pelo DISeries' This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalSeriesTypeCode ExternalCodeLists_BVMF.xls
1.29	TargetInstrumentIdentification	TrgtInstrmId	[0..1]	int	int	Identifies the target instrument
1.30	ProtectionFlag	PrtcnFlg	[1..1]	YesNoIndicator	boolean	Indicates that the option is protected against corporate events. That is, in the case of events, the option price can be adjusted.
1.31	AutomaticExerciseIndicator	AutomtcExrcInd	[1..1]	YesNoIndicator	boolean	Defines whether the option is automatically exercised.

SwapInstrumentFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	SwapInstrument	SwpInstrm	[0..*]	+		Contains the swap instruments.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numericSingle numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.

1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = "BVMF". (SecurityExchange)
1.6	Asset	Asst	[1..1]	Max30Text	string maxLength = 30 minLength = 1	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, PETR etc.
1.7	AssetDescription	AsstDesc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Commodity description.
1.8	Segment	Sgmt	[1..1]	ExternalSegmentCode	int	A Segment represents the first level of market classification in the post trade process. Example: 1 - Equity - Cash 2 - Equity derivatives 3 - Corporate bonds 4 - Agribusiness 5 - Financial 6 - Metal 7 - Energy 8 - Gov. Bonds 9 - FX This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalSegmentCode in the file ExternalCodeLists_BVMF.xls
1.9	Market	Mkt	[1..1]	ExternalMarketCode	int	A Market represents the Second level of market classification in the post trade process. Example: 1 - Spot Market 2 - Futures Market 3 - Options on Spot 4 - Options on Futures 5 - Forward 10 - Cash 12 - Options exercise (call) 13 - Options exercise (put) 17 - Auction 20 - Odd Lot 30 - Equity Forward 70 - Equity Call 80 - Equity Put This field requires an external code list. These codes and values were made in external spreadsheets to enable flexible maintenance

						in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalMarketCode
1.10	Description	Desc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Description of Security in the Trade Structure system, e.g., Opção sobre ação, Opção sobre índice, Ouro, Futuro de Dolar, Swap Cambial, Rolagem de Soja, FWD Points DOL and so on.
1.11	TradingStartDate	TradgStartDt	[1..1]	ISODate	date	Start date of the financial instrument trading.
1.12	TradingEndDate	TradgEndDt	[1..1]	ISODate	date	Completion date of the financial instrument trading.
1.13	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.14	CFICode	CFICd	[0..1]	Max6Text	string minLength = 1 maxLength = 6	Code that classifies the instrument.
1.15	PaymentType	PmtTp	[1..1]	ExternalPaymentTypeCode	int	Specifies how the transaction is to be settled. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalPaymentTypeCode ExternalCodeLists_BVMF.xls
1.16	ContractMultiplier	CtrctMltplr	[0..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Is the ratio between the contract size and the trading reference quantity. For Instance, Cattle is a 330 arrobas contract, but trade price refers to 1 arroba, so the multiplier is 330. Dollar contracts are 50000 USD but the price refers to 1000 USD, so the multiplier is 50. For contracts traded in rate instead of price, this attribute represents the ratio between target points and contract size
1.17	AssetQuotationQuantity	AsstQtnQty	[0..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Indicates the commodity quantity in which the trading price is based on. For example: Cattle trading price is based on 1 arroba. Dollar trading price is based on 1000 dollars. This field is filled in with “1” if the instrument is traded at interest rate
1.18	PureGoldWeight	PureGoldWght	[0..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Quantity that defines the real pure gold weight in each futures contract. As long as only the 250 g contract is traded, the pure gold weight will always be 249,75 g.
1.19	AllocationRoundLot	AllcnRndLot	[0..1]	int	int	Pre-defined lot size for allocation purposes.

1.20	TradingCurrency	TradgCcy	[0..1]	ExternalActiveOrHistoricCurrencyCode	string length = 3	This attribute has the code of the trading currency. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalActiveOrHistoricCurrencyCode ExternalCodeLists_BVMF.xls

SettlementPriceFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	SettlementPrice	SttlmPric	[0..*]	+		Contains the settlement prices.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	ExpirationDate	XprtnDt	[1..1]	ISODate	date	This attribute is the maturity date of the instrument.
1.8	AdjustedQuote	AdjstdQt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Adjusted quote.
1.9	AdjustedQuoteTax	AdjstdQtTax	[0..1]	RestrictedBVMFActiveOrHistoricCurrenc	decimal totalDigits = 28	Adjusted quote.

				yAnd12DecimalAmount	fractionDigits = 12	
1.10	AdjustedQuoteSituation	AdjstdQtStin	[0..1]	Max1Text	string maxLength = 1 minLength = 1	Adjusted quote situation.
1.11	PreviousAdjustedQuote	PrvsAdjstdQt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Previous day's session adjusted quote.
1.12	PreviousAdjustedQuoteTax	PrvsAdjstdQtTax	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Previous day's session adjusted quote.
1.13	PreviousAdjustedQuoteSituation	PrvsAdjstdQtStin	[0..1]	Max1Text	string maxLength = 1 minLength = 1	Previous day's session adjusted quote situation.
1.14	VariationPoints	VartnPts	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Variation in points.
1.15	EquivalentValue	EqvtVal	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Equivalence value.
1.16	AdjustedValueContract	AdjstdValCtrct	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Adjusted value per contract in BRL.

EconomicIndicatorPriceFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	EconomicIndicatorPrice	EcncIndPric	[0..*]	+		Contains the economic indicator prices.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is "8".
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = "BVMF".

						(SecurityExchange)
1.6	EconomicIndicatorDescription	EcncIndDesc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Description of the economic indicator.
1.7	DecimalPrecision	DcmlPrcsn	[1..1]	int	int	Quantity of decimal places used for price calculation or for publication purposes. This field must be filled when the information of the message refers to Pricing Curves.
1.8	PriceValue	PricVal	[1..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd20DecimalAmount	decimal fractionDigits = 20 totalDigits = 28	Price value of the economic indicator.

ReferencePriceFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	ReferencePrice	RefPric	[0..*]	+		Contains the instruments’ reference prices
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numericSingle numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	Asset	Asst	[0..1]	Max30Text	string maxLength = 30 minLength = 1	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, etc.
1.8	ExpirationCode	XprtnCd	[1..1]	Max4Text	string maxLength = 4 minLength = 1	Expiration code of a Futures or an Option contract. E.g: If Futures: MYY: M : Month Code YY: Year Code (Two last digits of year) If Option: MYOA:

						M: Month Code, Y: Year Code, O: Option Type A: Alphanumeric Sequence
1.9	OptionStyle	OptnStyle	[1..1]	OptionStyle2Code	string	Specifies how an option can be exercised (American, European)
1.10	OptionType	OptnTp	[1..1]	OptionType1Code	string	Specifies whether it is a Call option (right to purchase a specific underlying asset) or a Put option (right to sell a specific underlying asset).
1.11	ExpirationDate	XprtnDt	[0..1]	ISODate	date	Contract expiration date. Attribute types used in the following positions: - Swap Positions - NDF Positions - Flexible Options Positions
1.12	UnderlyingInstrument	UndrlygInstrm	[0..1]	Max12Text	string maxLength = 12 minLength = 1	Underlying Security Identifier International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country. Note: This field is required only when the file is about Stock Reference Price
1.13	ExercisePrice	ExrcPric	[1..1]	RestrictedFINActiveOrHistoricCurrencyAnd10DecimalAmount	decimal fractionDigits = 10 minInclusive = 0 totalDigits = 25	Preset price at which the holder of a derivatives will buy or sell the underlying instrument.
1.14	ReferencePrice	RefPric	[1..1]	RestrictedBVMF5ActiveOrHistoricCurrencyAnd2DecimalAmount	decimal totalDigits = 20 fractionDigits = 2	Provides reference price.
1.15	VolatilityValue	VoltlyVal	[0..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Volatility value. Note: This field is required only when the file is about Stock Reference Price.
1.16	DeltaValue	DltaVal	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd7DecimalAmount	decimal fractionDigits = 10 minInclusive = 0 totalDigits = 25	Delta value.

BDRReferencePriceFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	BDRRefPricFile	BDRRefPricFile	[0..*]	+		Contains instruments reference prices equities.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.

					minLength = 1	
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	Asset	Asst	[0..1]	Max30Text	string maxLength = 30 minLength = 1	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, PETR etc
1.8	ReferencePrice	RefPric	[1..1]	RestrictedBVMF5ActiveOrHistoricCurrencyAnd2DecimalAmount	decimal totalDigits = 20 fractionDigits = 2	Provides reference price.

StructuredOperationAdjustmentPriceFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	StructuredOperationAdjustmentPrice	StrdOprnAdjstmntPric	[0..*]	+		Contains the settlement prices of structured operation.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)

1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	ExpirationDate	XprtnDt	[1..1]	ISODate	date	This attribute is the maturity date of the instrument.
1.8	AdjustedQuote	AdjstdQt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Adjusted quote.
1.9	AdjustedQuoteTax	AdjstdQtTax	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Adjusted quote.
1.10	AdjustedQuoteSituation	AdjstdQtStin	[0..1]	Max1Text	string maxLength = 1 minLength = 1	Adjusted quote situation.
1.11	PreviousAdjustedQuote	PrvsAdjstdQt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Previous day's session adjusted quote.
1.12	PreviousAdjustedQuoteTax	PrvsAdjstdQtTax	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Previous day's session adjusted quote.
1.13	PreviousAdjustedQuoteSituation	PrvsAdjstdQtStin	[0..1]	Max1Text	string maxLength = 1 minLength = 1	Previous day's session adjusted quote situation.
1.14	VariationPoints	VartnPts	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Variation in points.
1.15	EquivalentValue	EqvtVal	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Equivalence value.
1.16	AdjustedValueContract	AdjstdValCtrct	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Adjusted value per contract in BRL.

ETFTradeFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	ETFTrade	ETFTrad	[0..*]	+		Equity – EFT.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	FirstPrice	FrstPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Opening price of the day.
1.7	MinimumPrice	MinPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum price.
1.8	MaximumPrice	MaxPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Maximum price.
1.9	LastPrice	LastPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Closing price of the day.
1.10	OscillationPercentage	OscnPctg	[0..1]	RestrictedBVMFActiveAnd2DecimalQuantity	decimal totalDigits = 10 fractionDigits = 2	Rate of oscillation.
1.11	IndexValue	IndxVal	[1..1]	RestrictedBVMF5ActiveOrHistoricCurrencyAnd2DecimalAmount	decimal totalDigits = 20 fractionDigits = 2	Index value.

1.12	TradeAveragePrice	TradAvrgPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Trade average price.
1.13	PreviousDayClosingPrice	PrvsDayClsgPric	[1..1]	RestrictedBVMF5ActiveOrHistoricCurrencyAnd2DecimalAmount	decimal totalDigits = 20 fractionDigits = 2	Previous day closing price.

TradeInformationFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	TradeInformation	TradInf	[0..*]	+		Contains trade information.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numericSingle numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	FirstPrice	FrstPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Opening price of the day.
1.8	MinimumPrice	MinPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum price.
1.9	MaximumPrice	MaxPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrenc	decimal totalDigits = 28	Maximum price.

				yAnd12DecimalAmount	fractionDigits = 12	
1.10	TradeAveragePrice	TradAvrgPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Trade average price.
1.11	LastPrice	LastPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Closing price of the day.
1.12	OscillationPercentage	OscnPctg	[0..1]	RestrictedBVMFActiveAnd2DecimalQuantity	decimal totalDigits = 10 fractionDigits = 2	Rate of oscillation.
1.13	TradeQuantity	TradQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Trade quantity.
1.14	MarketDataStreamIdentification	MktDataStrmId	[0..1]	ExternalMarketDataStreamIdentificationCode	string	The identifier or name of the price stream.
1.15	NationalFinancialVolume	NtlFinVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Financial volume traded on the day (BRL).
1.16	InternationalFinancialVolume	IntlFinVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Financial volume traded on the day (USD).
1.17	FinancialInstrumentQuantity	FinInstrmQty	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Quantity of financial instruments traded.
1.18	BestBidPrice	BestBidPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Best bid price.
1.19	BestAskPrice	BestAskPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Best ask price.
1.20	RegularTransactionsQuantity	RglrTxsQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Regular number of transactions.
1.21	NationalRegularVolume	NtlRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Regular traded volume (BRL) - After Market.
1.22	InternationalRegularVolume	IntlRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Regular traded volume (UDS) - After Market.
1.23	MaximumTradeLimit	MaxTradLmt	[0..1]	RestrictedBVMFActi	decimal	Maximum trade limit.

				veOrHistoricCurrencyAnd12DecimalAmount	totalDigits = 28 fractionDigits = 12	
1.24	MinimumTradeLimit	MinTradLmt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum trade limit.
1.25	OpenInterest	OpnIntrst	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Quantity of open contracts.
1.26	NonRegularTransactionsQuantity	NonRglrTxsQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Non regular number of transactions.
1.27	RegularTradedContracts	RglrTraddCtrcts	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Regular traded contracts.
1.28	NonRegularTradedContracts	NonRglrTraddCtrcts	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Non regular traded contracts.
1.29	NationalNonRegularVolume	NtlNonRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Non regular traded volume (BRL) - After Market.
1.30	InternationalNonRegularVolume	IntlNonRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Non regular traded volume (USD) - After Market.

IndexesTradeInformationFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	IndexesTradeInformation	IndxsTradInf	[0..*]	+		Contains trade information.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numericSingle numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.

1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = "BVMF". (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	FirstPrice	FrstPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Opening price of the day.
1.8	MinimumPrice	MinPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum price.
1.9	MaximumPrice	MaxPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Maximum price.
1.10	TradeAveragePrice	TradAvrgPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Trade average price.
1.11	LastPrice	LastPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Closing price of the day.
1.12	OscillationPercentage	OscnPctg	[0..1]	RestrictedBVMFActiveAnd2DecimalQuantity	decimal totalDigits = 10 fractionDigits = 2	Rate of oscillation.
1.13	TradeQuantity	TradQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Trade quantity.
1.14	MarketDataStreamIdentification	MktDataStrmId	[0..1]	ExternalMarketDataStreamIdentificationCode	string	The identifier or name of the price stream.
1.15	NationalFinancialVolume	NtlFinVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Financial volume traded on the day (BRL).
1.16	InternationalFinancialVolume	IntlFinVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Financial volume traded on the day (USD).
1.17	FinancialInstrumentQuantity	FinInstrmQty	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Quantity of financial instruments traded.
1.18	BestBidPrice	BestBidPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Best bid price.

1.19	BestAskPrice	BestAskPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Best ask price.
1.20	RegularTransactionsQuantity	RglrTxsQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Regular number of transactions.
1.21	NationalRegularVolume	NtlRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Regular traded volume (BRL) - After Market.
1.22	InternationalRegularVolume	IntlRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Regular traded volume (UDS) - After Market.
1.23	MaximumTradeLimit	MaxTradLmt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Maximum trade limit.
1.24	MinimumTradeLimit	MinTradLmt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum trade limit.
1.25	OpenInterest	OpnIntrst	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Quantity of open contracts.
1.26	NonRegularTransactionsQuantity	NonRglrTxsQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Non regular number of transactions.
1.27	RegularTradedContracts	RglrTraddCtrcts	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Regular traded contracts.
1.28	NonRegularTradedContracts	NonRglrTraddCtrcts	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Non regular traded contracts.
1.29	NationalNonRegularVolume	NtlNonRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Non regular traded volume (BRL) - After Market.
1.30	InternationalNonRegularVolume	IntlNonRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Non regular traded volume (USD) - After Market.

TradeInformationIndexFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	TradeInformationIndex	TradInfIndx	[0..*]	+		Trade Information Index
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35	Single numericSingle numeric code used to identify the instrument in the B3 trading environment.

					minLength = 1	
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	AssetDescription	AsstDesc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Commodity description.
1.7	FirstPrice	FrstPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Opening price of the day.
1.8	MinimumPrice	MinPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum price.
1.9	MaximumPrice	MaxPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Maximum price.
1.10	TradeAveragePrice	TradAvrgPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Trade average price.
1.11	PreviousDayClosingPrice	PrvsDayClsgPric	[1..1]	RestrictedBVMF5ActiveOrHistoricCurrencyAnd2DecimalAmount	decimal totalDigits = 20 fractionDigits = 2	Previous Day Closing Price.
1.12	LastPrice	LastPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Closing price of the day.
1.13	OscillationPercentage	OscnPctg	[0..1]	RestrictedBVMFActiveAnd2DecimalQuantity	decimal totalDigits = 10 fractionDigits = 2	Rate of oscillation.
1.14	IndexValue	IndxVal	[1..1]	RestrictedBVMF5ActiveOrHistoricCurrencyAnd2DecimalAmount	decimal totalDigits = 20 fractionDigits = 2	Index Value.
1.15	SettlementValue	SttlmVal	[0..1]	RestrictedBVMF2ActiveOrHistoricCurrencyAnd4DecimalAmount	decimal fractionDigits = 4 totalDigits = 19	Value to be settled.

ForwardTradeInformationIndexFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	ForwardTradeInformation	FwdTradInf	[0..*]	+		Forward Trade Information
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	DaysToSettlement	DaysToSttlm	[1..1]	Max4Text	String 4	Indicates the number of days to settlement.
1.8	FirstPrice	FrstPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Opening price of the day.
1.9	MinimumPrice	MinPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum price.
1.10	MaximumPrice	MaxPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Maximum price.
1.11	TradeAveragePrice	TradAvrgPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Trade average price.
1.12	LastPrice	LastPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Closing price of the day.
1.13	OscillationPercenta	OscnPctg	[0..1]	RestrictedBVMFActi	decimal	Rate of oscillation.

	ge			veAnd2DecimalQuantity	totalDigits = 10 fractionDigits = 2	
1.14	TradeQuantity	TradQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Trade quantity.
1.15	MarketDataStreamIdentification	MktDataStrmId	[0..1]	ExternalMarketDataStreamIdentificationCode	string	The identifier or name of the price stream.
1.16	NationalFinancialVolume	NtlFinVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Financial volume traded (BRL).
1.17	InternationalFinancialVolume	IntlFinVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Financial volume traded (USD).
1.18	FinancialInstrumentQuantity	FinInstrmQty	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Quantity of financial instruments traded.
1.19	BestBidPrice	BestBidPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Best bid price.
1.20	BestAskPrice	BestAskPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Best ask price.
1.21	RegularTransactionsQuantity	RglrTxsQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Regular number of transactions.
1.22	NationalRegularVolume	NtlRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Regular traded volume (BRL) - After Market.
1.23	InternationalRegularVolume	IntlRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Regular traded volume (USD) - After Market.
1.24	MaximumTradeLimit	MaxTradLmt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Maximum trade limit.
1.25	MinimumTradeLimit	MinTradLmt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum trade limit.
1.26	OpenInterest	OpnIntrst	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Quantity of open contracts.
1.27	NonRegularTransac	NonRglrTxsQty	[0..1]	RestrictedBVMF2Act	decimal	Non regular number of transactions.

	tionsQuantity			iveAnd0DecimalQuantity	fractionDigits = 0 totalDigits = 28	
1.28	RegularTradedContracts	RglrTraddCtrcts	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Regular traded contracts.
1.29	NonRegularTradedContracts	NonRglrTraddCtrcts	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Non regular traded contracts.
1.30	NationalNonRegularVolume	NtlNonRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Non regular traded volume (BRL) - After Market.
1.31	InternationalNonRegularVolume	IntlNonRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Non regular traded volume (USD) - After Market.

EODPriceFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	EODPrice	EODPric	[0..*]	+		End of Day Price
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	FirstPrice	FrstPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Opening price of the day.

1.8	MinimumPrice	MinPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum price.
1.9	MaximumPrice	MaxPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Maximum price.
1.10	TradeAveragePrice	TradAvrgPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Trade average price.
1.11	LastPrice	LastPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Closing price of the day.
1.12	OscillationPercentage	OscnPctg	[0..1]	RestrictedBVMFActiveAnd2DecimalQuantity	decimal totalDigits = 10 fractionDigits = 2	Rate of oscillation.
1.13	TradeQuantity	TradQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Trade quantity.
1.14	MarketDataStreamIdentification	MktDataStrmId	[0..1]	ExternalMarketDataStreamIdentificationCode	string	The identifier or name of the price stream.
1.15	NationalFinancialVolume	NtlFinVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Financial volume traded (BRL).
1.16	InternationalFinancialVolume	IntlFinVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Financial volume traded (USD).
1.17	FinancialInstrumentQuantity	FinInstrmQty	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Quantity of financial instruments traded.
1.18	BestBidPrice	BestBidPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Best bid price.
1.19	BestAskPrice	BestAskPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Best ask price.
1.20	RegularTransactionsQuantity	RglrTxsQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Regular number of transactions.
1.21	NationalRegularVolume	NtlRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmou	decimal fractionDigits = 8 totalDigits = 28	Traded volume (BRL) - After Market.

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1.22	InternationalRegular Volume	IntlRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Traded volume (USD) - After Market.
1.23	MaximumTradeLimit	MaxTradLmt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Maximum trade limit.
1.24	MinimumTradeLimit	MinTradLmt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum trade limit.
1.25	OpenInterest	OpnIntrst	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Quantity of open contracts.
1.26	NonRegularTransactionsQuantity	NonRglrTxsQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Non regular number of transactions.
1.27	RegularTradedContracts	RglrTraddCtrcts	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Regular traded contracts.
1.28	NonRegularTraded Contracts	NonRglrTraddCtrcts	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Non regular traded contracts.
1.29	NationalNonRegular Volume	NtlNonRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Non regular traded volume (BRL) - After Market.
1.30	InternationalNonRegularVolume	IntlNonRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Non regular traded volume (USD) - After Market.

IndexesEODPriceFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	IndexesEODPriceFile	IndxsEODPricFile	[0..*]	+		End of Day Price Indexes.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35	Qualifier of the instrument. Valid value for this field is “8”.

					minLength = 1	
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	FirstPrice	FrstPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Opening price of the day.
1.8	MinimumPrice	MinPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum price.
1.9	MaximumPrice	MaxPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Maximum price.
1.10	TradeAveragePrice	TradAvrgPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Trade average price.
1.11	LastPrice	LastPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Closing price of the day.
1.12	OscillationPercentage	OscnPctg	[0..1]	RestrictedBVMFActiveAnd2DecimalQuantity	decimal totalDigits = 10 fractionDigits = 2	Rate of oscillation.
1.13	TradeQuantity	TradQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Trade quantity.
1.14	MarketDataStreamIdentification	MktDataStrmId	[0..1]	ExternalMarketDataStreamIdentificationCode	string	The identifier or name of the price stream.
1.15	NationalFinancialVolume	NtlFinVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Financial volume traded (BRL).
1.16	InternationalFinancialVolume	IntlFinVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmou	decimal fractionDigits = 8 totalDigits = 28	Financial volume traded (USD).

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1.17	FinancialInstrument Quantity	FinInstrmQty	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Quantity of financial instruments traded.
1.18	BestBidPrice	BestBidPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Best bid price.
1.19	BestAskPrice	BestAskPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Best ask price.
1.20	RegularTransactionsQuantity	RglrTxsQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Regular number of transactions.
1.21	NationalRegularVolume	NtlRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Traded volume (BRL) - After Market.
1.22	InternationalRegular Volume	IntlRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Traded volume (USD) - After Market.
1.23	MaximumTradeLimit	MaxTradLmt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Maximum trade limit.
1.24	MinimumTradeLimit	MinTradLmt	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Minimum trade limit.
1.25	OpenInterest	OpnIntrst	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Quantity of open contracts.
1.26	NonRegularTransactionsQuantity	NonRglrTxsQty	[0..1]	RestrictedBVMF2ActiveAnd0DecimalQuantity	decimal fractionDigits = 0 totalDigits = 28	Non regular number of transactions.
1.27	RegularTradedContracts	RglrTraddCtrcts	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Regular traded contracts.
1.28	NonRegularTraded Contracts	NonRglrTraddCtrcts	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Non regular traded contracts.
1.29	NationalNonRegular Volume	NtlNonRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Non regular traded volume (BRL) - After Market.
1.30	InternationalNonRegularVolume	IntlNonRglrVol	[0..1]	RestrictedBVMF4ActiveOrHistoricCurrencyAnd8DecimalAmount	decimal fractionDigits = 8 totalDigits = 28	Non regular traded volume (USD) - After Market.

CashMarketPositionFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	CashMarketPosition	CshMktPos	[0..*]	+		Cash market open positions.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	Asset	Asst	[1..1]	Max30Text	string maxLength = 30 minLength = 1	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, PETR etc.
1.8	BalanceQuantity	BalQty	[1..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Total quantity of financial instruments of the balance.
1.9	TradeAveragePrice	TradAvrgPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Trade average price.
1.10	PriceFactor	PricFctr	[1..1]	int	int	A factor that indicates the number of stocks that make up the price. The order price is displayed based on the price factor, e.g., if price factor is 1, the order price refers to 1 stock. If the price factor is 1000, the order price represents the price of 1000 stocks.
1.11	BalanceValue	BalVal	[1..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Provides the total position value.

OpenPositionFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	OpenPosition	OpnPos	[0..*]	+		Contains open positions.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is "8".
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = "BVMF". (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string maxLength = 4 minLength = 1	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	Asset	Asst	[1..1]	Max30Text	string pattern = [A-Z0-9]{12,12}	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, PETR etc.
1.8	ExpirationCode	XprtnCd	[1..1]	Max4Text	decimal totalDigits = 28 fractionDigits = 8	Code of contract expiration. This attribute has two types of format: Format: MYY M = Month Code Y = Year Code Format: MYOA where: M = Month Code Y = Year Code O = Option Code

						A = Alphanumeric Sequence Code
1.9	OpenInterest	OpnIntrst	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	string maxLength = 30 minLength = 1	Quantity of open contracts.
1.10	VariationOpenInterest	VartnOpnIntrst	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Variation in the number of open contracts from one day to the next.

IndexesOpenPositionFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	IndexesOpenPosition	IndxsOpnPos	[0..*]	+		Contains open positions.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string maxLength = 4 minLength = 1	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	Asset	Asst	[1..1]	Max30Text	string pattern = [A-Z0-9]{12,12}	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, PETR etc.
1.8	ExpirationCode	XprtnCd	[1..1]	Max4Text	decimal totalDigits = 28	Code of contract expiration.

					fractionDigits = 8	This attribute has two types of format: Format: MYY M = Month Code Y = Year Code Format: MYOA where: M = Month Code Y = Year Code O = Option Code A = Alphanumeric Sequence Code
1.9	OpenInterest	OpnIntrst	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	string maxLength = 30 minLength = 1	Quantity of open contracts.
1.10	VariationOpenInterest	VartnOpnIntrst	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Variation in the number of open contracts from one day to the next.

ForwardOpenPositionFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	ForwardOpenPosition	FwdOpnPos	[0..*]	+		Forward Open Positions
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	SpecificationCode	SpcfctnCd	[0..1]	Max10Text	string maxLength = 10 minLength = 1	Code for specification of the stock e.g.: ON, PN.
1.7	CorporationName	CrpnNm	[1..1]	Max250Text	string maxLength = 250 minLength = 1	This field provides the corporation name.
1.8	ISIN	ISIN	[0..1]	ISINIdentifier	string	International Securities Identification Number (ISIN). A numbering

					pattern = [A-Z0-9]{12,12}	system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.9	Asset	Asst	[1..1]	Max30Text	string maxLength = 30 minLength = 1	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, PETR etc.
1.10	OpenInterest	OpnIntrst	[0..1]	RestrictedBVMFActiveAnd8DecimalQuantity	decimal totalDigits = 28 fractionDigits = 8	Quantity of open contracts.
1.11	CurrentQuantity	CurQty	[1..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Current quantity.
1.12	ForwardPrice	FwdPric	[1..1]	RestrictedBVMF2ActiveOrHistoricCurrencyAnd4DecimalAmount	decimal fractionDigits = 4 totalDigits = 19	Price of the forward contract.

SecuritiesLendingPositionFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	SecuritiesLendingPosition	SctiesLndgPos	[0..*]	+		Securities Lending Position
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.6	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.7	Asset	Asst	[1..1]	Max30Text	string	Asset associated with the security, such as DOL, BGI, OZ1, WDL,

					maxLength = 30 minLength = 1	CNI, ICF, CCM, PETR etc.
1.8	DistributionIdentification	DstrbtnId	[1..1]	int	int	Distribution code of the instrument Code that identifies the asset version. The pair "ISIN" + "Distribution Identification" is required for instruments that have a depositary, such as stocks and gold. There is no distribution for derivatives.
1.9	CoveredQuantity	CvrdQty	[0..1]	RestrictedFINDecimalNumber	decimal fractionDigits = 14 totalDigits = 14	Provides the covered quantity.
1.10	TotalBlockedPosition	TtlBlckdPos	[0..1]	RestrictedFINDecimalNumber	decimal fractionDigits = 14 totalDigits = 14	Provides the total blocked positions.
1.11	UncoveredQuantity	UcvrdQty	[0..1]	RestrictedFINDecimalNumber	decimal fractionDigits = 14 totalDigits = 14	Provides the uncovered quantity.
1.12	TotalPosition	TtlPos	[0..1]	RestrictedFINDecimalNumber	decimal fractionDigits = 14 totalDigits = 14	Provides the total positions.
1.13	BorrowerQuantity	BrrwrQty	[1..1]	RestrictedBVMFActiveAnd6DecimalQuantity	decimal totalDigits = 19 fractionDigits = 6	Provides the quantity of borrower clients.
1.14	LenderQuantity	LndrQty	[1..1]	RestrictedBVMFActiveAnd6DecimalQuantity	decimal totalDigits = 19 fractionDigits = 6	Provides the quantity of lender clients.

PortfolioCompositionFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	PortfolioComposition	PrtflCmpn	[0..*]	+		Contais the Portfolio Composition
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.3	ISIN	ISIN	[1..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.4	CorporationName	CrpnNm	[1..1]	Max250Text	string maxLength = 250 minLength = 1	This field provides the corporation name.
1.5	SpecificationCode	SpcfctnCd	[0..1]	Max10Text	string maxLength = 10 minLength = 1	Code of stock specification e.g.: ON, PN.

1.6	TheorticalQuantity	ThrlQty	[1..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Instrument theortical quantity
1.7	LastPrice	LastPric	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd12DecimalAmount	decimal totalDigits = 28 fractionDigits = 12	Closing price of the day.
1.8	EconomicValue	EcncVal	[1..1]	int	int	The Economic Value is the multiplication of the theoretical quantity (ThertQuant) by the closing price (LastPric).
1.9	StockParticipationPercent	StockPrtcptnPct	[1..1]	int	int	This field contains the fluctuations by individual instruments in defining the total index.

StockPerIndexFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	StockPerIndex	StockPerIndx	[0..*]	+		Contains the Stock per Index
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	ExpirationDate	XprtnDt	[1..1]	ISODate	date	This attribute is the maturity date of the instrument.
1.3	CorporationName	CrpnNm	[1..1]	Max250Text	string maxLength = 250 minLength = 1	This field provides the corporation name.
1.4	SpecificationCode	SpcfctnCd	[0..1]	Max10Text	string maxLength = 10 minLength = 1	Code for specification ofthe stock e.g.: ON, PN.
1.5	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.6	AssetDescription	AsstDesc	[1..*]	Max100Text	string maxLength = 100 minLength = 0	Commodity description.

VolatilitySurfaceFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	VolatilitySurface	VoltlySrfc	[0..*]	+		Volatility Surface
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	Asset	Asst	[0..1]	Max30Text	string maxLength = 30 minLength = 1	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, etc.
1.3	AssetDescription	AsstDesc	[1..*]	Max100Text	string	Commodity description.

					maxLength = 100 minLength = 0	
1.4	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.5	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is “8”.
1.6	MarketIdentifierCod e	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = “BVMF”. (SecurityExchange)
1.7	OptionType	OptnTp	[1..1]	OptionType1Code	string	Specifies whether it is a Call option (right to purchase a specific underlying asset) or a Put option (right to sell a specific underlying asset).
1.8	ExpirationCode	XprtnCd	[1..1]	Max4Text	string maxLength = 4 minLength = 1	Expiration code of a Futures or an Option. E.g: If Futures: MYY: M : Month Code YY: Year Code (Two last digits of year) If Option: MYOA: M: Month Code, Y: Year Code, O: Option Type A: Alphanumeric Sequence
1.9	WorkingDays	WrkgDays	[1..1]	int	int	Provides the number of business days, considering the date of the trading session until the date of contract expiration (inclusive).
1.10	CalendarDays	ClnrDays	[1..1]	int	int	Provides the number of calendar days, considering the date of the trading session until the date of contract expiration (inclusive).
1.11	DeltaValue	DltaVal	[0..1]	RestrictedBVMFActiveOrHistoricCurrencyAnd7DecimalAmount	decimal fractionDigits = 7 totalDigits = 19	Delta value.
1.12	VolatilityValue	VoltlyVal	[0..1]	DecimalNumber	decimal fractionDigits = 17 totalDigits = 18	Implied volatility.

StructuredOperationInstrumentFile

INDEX	Message Item	Tag	Mult.	Data Type	Data Type Details	Description
1.0	StructuredOperation Instrument	StrdOprnInstrm	[0..*]	+		This file contains the Structured Operation Instrument.
1.1	ReportDate	RptDt	[1..1]	ISODate	date	Reference date of the information.
1.2	TickerSymbol	TckrSymb	[1..1]	TickerIdentifier	string	Ticker that identifies a stock traded on a stock exchange. The Ticker

					maxLength = 35 minLength = 1	Symbol is a short and convenient way of identifying a stock.
1.3	SecurityIdentification	SctyId	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Single numeric code used to identify the instrument in the B3 trading environment.
1.4	SecuritySource	SctySrc	[1..1]	Max35Text	string maxLength = 35 minLength = 1	Qualifier of the instrument. Valid value for this field is "8".
1.5	MarketIdentifierCode	MktIdrCd	[1..1]	MICIdentifier	string pattern = [A-Z0-9]{4,4}	Market Identifier Code. Identification of the exchange as stipulated in the ISO 10383 standard "Codes for exchanges and market identifications". This tag is optional and if no Securities Exchange is provided - it is assumed to be a BVMF instrument. Default Value = "BVMF". (SecurityExchange)
1.6	Asset	Asst	[1..1]	Max30Text	string maxLength = 30 minLength = 1	Asset associated with the security, such as DOL, BGI, OZ1, WDL, CNI, ICF, CCM, PETR etc.
1.7	AssetDescription	AsstDesc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Commodity description.
1.8	Segment	Sgmt	[1..1]	ExternalSegmentCode	int	A Segment represents the first level of market classification in the post trade process. Example: 1 - Equity - Cash 2 - Equity derivatives 3 - Corporate bonds 4 - Agribusiness 5 - Financial 6 - Metal 7 - Energy 8 - Gov. Bonds 9 - FX This field requires an external code list. These codes and values weremade in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalSegmentCode in the file ExternalCodeLists_BVMF.xls
1.9	Market	Mkt	[1..1]	ExternalMarketCode	int	A Market represents the Second level of market classification in the post trade process. Example: 1 - Spot Market 2 - Futures Market 3 - Options on Spot 4 - Options on Futures 5 - Forward 10 - Cash 12 - Options exercise (call) 13 - Options exercise (put)

						17 - Auction 20 - Odd Lot 30 - Equity Forward 70 - Equity Call 80 - Equity Put This field requires an external code list. These codes and values weremade in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalMarketCode
1.10	Description	Desc	[1..1]	Max100Text	string maxLength = 100 minLength = 0	Description of Security in the Trade Structure system, e.g., Opção sobre ação, Opção sobre índice, Ouro, Futuro de Dolar, Swap Cambial, Rolagem de Soja, FWD Points DOL and so on.
1.11	SecurityCategory	SctyCtgy	[0..1]	ExternalSecurityCategoryCode	int	A Security Category represents the third level of market classification in the post trade process. This field requires an external code list. These codes and values weremade in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external is ExternalSecurityCategoryCode in the file ExternalCodeLists_BVMF.xls
1.12	ExpirationDate	XprtnDt	[1..1]	ISODate	date	This attribute is the maturity date of the instrument.
1.13	ExpirationCode	XprtnCd	[1..1]	Max4Text	string maxLength = 4 minLength = 1	Code of contract expiration. This attribute has two types of formast: Format: MYY M = Month Code Y = Year Code Format: MYOAwhere: M = Month Code Y = Year Code O = Option Code A = Alphanumeric Sequence Code
1.14	TradingStartDate	TradgStartDt	[1..1]	ISODate	date	Start date of the financial instrument trading.
1.15	TradingEndDate	TradgEndDt	[1..1]	ISODate	date	Completion date of the financial instrument trading.
1.16	ISIN	ISIN	[0..1]	ISINIdentifier	string pattern = [A-Z0-9]{12,12}	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organisation for Standardisation (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country.
1.17	CFICode	CFICd	[0..1]	Max6Text	string minLength = 1 maxLength = 6	Code that classifies the instrument.
1.18	ContractMultiplier	CtrctMltplr	[0..1]	DecimalNumber	decimal	Is the ratio between the contract size and the trading reference

					fractionDigits = 17 totalDigits = 18	quantity. For Instance, Cattle is a 330 arrobas contract, but trade price refers to 1 arroba, so the multiplier is 330. Dollar contracts are 50000 USD but the price refers to 1000 USD, so the multiplier is 50. For contracts traded in rate instead of price, this attribute represents the ratio between target points and contract size
1.19	AllocationRoundLot	AllcnRndLot	[0..1]	int	int	Pre-defined lot size for allocation purposes.
1.20	TradingCurrency	TradgCcy	[1..1]	ExternalActiveOrHistoricCurrencyCode	string length = 3	This attribute has the code of the trading currency. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalActiveOrHistoricCurrencyCode ExternalCodeLists_BVMF.xls
1.21	ValueTypeCode	ValTpCd	[1..1]	ExternalValueTypeCode	int	Code that defines the type of value of instrument, e.g.,price or rate. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalValueTypeCode ExternalCodeLists_BVMF.xls
1.22	RolloverBasePriceCode	RlvrBasePricCd	[0..1]	ExternalRolloverBasePriceCode	int	Code that defines the base price to calculate the full value of the strategy. For SecurityCategory equal to "ROLLOVER", it indicates which price is used as base price for the most liquid leg. If SecurityClassification not equal to "ROLLOVER", field contents is irrelevant. Rollover is the process whereby a financial instrument is reinvested at maturity. For example: 1- Last Price 2- Settlement price This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalRolloverBasePriceCode ExternalCodeLists_BVMF.xls
1.23	OpeningFuturePositionDay	OpngFutrPosDay	[0..1]	int	int	Days to open futures position. For SecurityClassification "Forward Points", it indicates the the number of days between the strategy trade and the opening futures position, e.g., 0, 1, 2.
1.24	SideTypeCode1	SdTpCd1	[0..1]	Side1Code	string	Code that indicates, when buying a strategy, whether the leg of the strategy instrument must be bought or sold. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalSideTypeCode ExternalCodeLists_BVMF.xls

1.25	UnderlyingTickerSymbol1	UndrlygTckrSymb1	[0..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Identification underlying instrument (Ticker Symbol). Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.
1.26	SideTypeCode2	SdTpCd2	[0..1]	Side1Code	string	Code that indicates, when buying a strategy, whether the leg of the strategy instrument must be bought or sold. This field requires a list of external code. These codes and values were made in external spreadsheets to enable flexible maintenance in accordance with the requirements of the BM&FBOVESPA updates. In this case the external file is in ExternalSideTypeCode ExternalCodeLists_BVMF.xls
1.27	UnderlyingTickerSymbol2	UndrlygTckrSymb2	[0..1]	TickerIdentifier	string maxLength = 35 minLength = 1	Identification underlying instrument (Ticker Symbol). Ticker that identifies a stock traded on a stock exchange. The Ticker Symbol is a short and convenient way of identifying a stock.

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