



S&P Capital IQ Real-Time Solutions

FeedOS™ Feed Description

EURONEXT UTP

Reference n°: 20150701 – 26648 – 27200 – 27204

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FeedOS™ Feed Description: EURONEXT UTP
Reference 20150701 – 26648 – 27200 – 27204
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FEEDOS™ EURONEXT UTP FEED DESCRIPTION

As part of the S&P Capital IQ Real-Time Solutions FeedOS™ documentation, this feed description provides you with details about the types of data broadcast on the EURONEXT UTP market data stream, their possible values and current FeedOS technical implementation.

The topics this feed description covers include:

- [1. Referential Data](#)
- [2. Quotation Data](#)
- [3. Closing Price](#)
- [4. Special Behavior](#)
- [5. Finding the Latest Information.](#)

1. Referential Data

The following sections describe the characteristics of the referential data on the EURONEXT UTP market data stream, in terms of:

- [1.1. Available Markets and Branches](#)
- [1.2. Types of Instruments](#)
- [1.3. Specific Referential Tags.](#)

1.1. Available Markets and Branches

This section details the list of markets and branches available on the EURONEXT UTP market data stream:

- [1.1.1. Markets](#)
- [1.1.2. Branches.](#)

1.1.1. Markets

The EURONEXT UTP market data stream broadcasts informations about the following markets:

Table 1 List of markets available on the EURONEXT UTP market data stream

FeedOS Market ID	Market
XBRU	Euronext Brussels
XMLI	Euronext Paris – Marché Libre
XPAR	Euronext Paris
XKUX	Luxembourg Stock Exchange
XLIS	Euronext Lisboa
XAMS	Euronext Amsterdam
ENXB	NYSE Euronext - EasyNext
WQXL	NYSE Euronext - Market without Quotations Lisbon
ENXL	NYSE Euronext - EasyNext Lisbon
TNLB	NYSE Euronext - Trading Facility
MLXB	NYSE Euronext - Marché Libre Brussels
ALXP	NYSE Euronext - AlterNext Paris
ALXB	NYSE Euronext - AlterNext Brussels
ALXA	NYSE Euronext - Alternext Amsterdam
TNLA	NYSE Euronext - Traded but not listed Amsterdam
XHFT	NYSE Arca Europe
misc	S&P Capital IQ Real-Time Solutions internal MIC for TCS Trade Report Platform. Available for instruments traded on other markets and reported on Euronext.

The following example shows the list of markets available on EURONEXT UTP market data stream and their IDs, returned by the command dumps:

```
MARKETS
market # 32      CC=BE/BELGIUM/BRUSSELS,DESCR=EURONEXT BRUSSELS,WEB=www.euronext.com
  MIC = XBRU
  TimeZone = Europe/Brussels
  Country = BE
  NbMaxInstruments = 2000000
market # 79      CC=FR/France/Paris,DESCR=EURONEXT PARIS S.A. - MARCHE LIBRE,
WEB=www.euronext.com
  MIC = XMLI
  TimeZone = Europe/Paris
  Country = FR
  NbMaxInstruments = 2000000
market # 81      CC=FR/France/Paris,DESCR=EURONEXT PARIS S.A., WEB=www.euronext.com
  MIC = XPAR
  TimeZone = Europe/Paris
  Country = FR
  NbMaxInstruments = 2000000
market # 163     CC=LU/LUXEMBOURG/LUXEMBOURG,DESCR=LUXEMBOURG STOCK EXCHANGE,
WEB=www.bourse.lu
  MIC = XLUX
  TimeZone = Europe/Luxembourg
  Country = LU
  NbMaxInstruments = 2000000
```

(see next page)

MARKETS CONTINUED

```
market # 202    CC=PT/PORTUGAL/LISBOA,DESCR=EURONEXT LISBOA, WEB=www.euronext.pt
    MIC = XLIS
    TimeZone = Europe/Lisboa
    Country = PT
    NbMaxInstruments = 2000000
market # 265    CC=NL/THE NETHERLANDS/AMSTERDAM,DESCR=EURONEXT AMSTERDAM, WEB=www.aex.nl
    MIC = XAMS
    TimeZone = Europe/Amsterdam
    Country = NL
    NbMaxInstruments = 2000000
market # 328    CC=BE/BELGIUM/BRUSSELS,DESCR=NYSE EURONEXT - EASY NEXT, WEB=www.euronext.com
    MIC = ENXB
    TimeZone = Europe/Brussels
    Country = BE
    NbMaxInstruments = 2000000
market # 354    CC=PT/PORTUGAL/LISBOA,DESCR=NYSE EURONEXT - MARKET WITHOUT QUOTATIONS LISBON,
    WEB=www.euronext.com
    MIC = WQXL
    TimeZone = Europe/Lisboa
    Country = PT
    NbMaxInstruments = 2000000
market # 355    CC=PT/PORTUGAL/LISBOA,DESCR=NYSE EURONEXT - EASYNEXT LISBON,
    WEB=www.euronext.com
    MIC = ENXL
    TimeZone = Europe/Lisboa
    Country = PT
    NbMaxInstruments = 2000000
market # 416    CC=BE/BELGIUM/BRUSSELS,DESCR=NYSE EURONEXT - TRADING FACILITY BRUSSELS,
    WEB=www.euronext.com
    MIC = TNLB
    TimeZone = Europe/Brussels
    Country = BE
    NbMaxInstruments = 2000000
market # 429    CC=BE/BELGIUM/BRUSSELS,DESCR=NYSE EURONEXT - MARCHE LIBRE BRUSSELS,
    WEB=www.euronext.com
    MIC = MLXB
    TimeZone = Europe/Brussels
    Country = BE
    NbMaxInstruments = 2000000
market # 434    CC=FR/France/PARIS,DESCR=NYSE EURONEXT - ALTERNEXT PARIS,
    WEB=www.euronext.com
    MIC = ALXP
    TimeZone = Europe/Paris
    Country = FR
    NbMaxInstruments = 2000000
market # 435    CC=BE/BELGIUM/BRUSSELS,DESCR=NYSE EURONEXT - ALTERNEXT BRUSSELS,
    WEB=www.euronext.com
    MIC = ALXB
    TimeZone = Europe/Brussels
    Country = BE
    NbMaxInstruments = 2000000
```

(see next page)

```

MARKETS CONTINUED
market # 436    CC=NL/THE NETHERLANDS/AMSTERDAM,DESCR=NYSE Euronext - ALTERNEXT AMSTERDAM,
WEB=www.euronext.com
    MIC = ALXA
    TimeZone = Europe/Amsterdam
    Country = NL
    NbMaxInstruments = 2000000
market # 438    CC=NL/THE NETHERLANDS/AMSTERDAM,DESCR=NYSE Euronext - TRADED BUT NOT LISTED
AMSTERDAM, WEB=www.euronext.com
    MIC = TNLA
    TimeZone = Europe/Amsterdam
    Country = NL
    NbMaxInstruments = 2000000
market # 446    CC=NL/THE NETHERLANDS/AMSTERDAM,DESCR=NYSE ARCA EUROPE, WEB=www.euronext.com
    MIC = XHFT
    TimeZone = Europe/Amsterdam
    Country = NL
    NbMaxInstruments = 2000000
market # 501    CC=unknown/unknown/unknown,DESCR=Miscellaneous, WEB=
    MIC = misc
    TimeZone = Europe/Paris
    Country = unknown
    NbMaxInstruments = 2000000

```

1.1.2. Branches

The example below shows the list of branches available on the EURONEXT UTP market data stream, returned by the command dumps. Each branch displays the details: FOSMarketID, SecurityType, CFICode and Quantity (of instruments):

```

BRANCHES
{ XBRU GO    DBFSFR } qty: 5
{ XBRU GO    DBFUFN } qty: 2
{ XBRU GO    DBVUFN } qty: 11
{ XBRU GO    DBXXXX } qty: 500
{ XBRU GO    DTFXFB } qty: 2
{ XBRU GO    DYFSFB } qty: 1
{ XBRU GO    DYZTXN } qty: 51
{ XBRU INDEX MRXXXX } qty: 66
{ XBRU MTN   DTXXXX } qty: 124
{ XBRU NONE DBXXXX } qty: 315
{ XBRU NONE DCXXXX } qty: 1
{ XBRU NONE DXXTXX } qty: 1
{ XBRU NONE ESXXXX } qty: 432
{ XBRU NONE EUOGSN } qty: 1
{ XBRU NONE EUXXXX } qty: 101
{ XBRU NONE MRXXXX } qty: 8
{ XBRU NONE RAXXXX } qty: 10
{ XBRU NONE RMXXXX } qty: 174
{ XBRU NONE RSXXXX } qty: 13
{ XBRU PS    EPXXXX } qty: 2
{ XBRU PS    ERXXXX } qty: 2
{ XBRU WAR   RWSXXX } qty: 15
{ XBRU WAR   RWXXXX } qty: 3713

```

(see next page)

BRANCHES CONTINUED

```

{ XMLI GO DBXXXX } qty: 15
{ XMLI MTN DTXXXX } qty: 34
{ XMLI NONE DCXXXX } qty: 3
{ XMLI NONE ESXXXX } qty: 320
{ XMLI NONE RSXXXX } qty: 4
{ XMLI PS ERXXXX } qty: 2
{ XMLI WAR RWSXXX } qty: 10
{ XPAR CB DCXXXX } qty: 1
{ XPAR GO DBFSFB } qty: 3
{ XPAR GO DBFUCB } qty: 1
{ XPAR GO DBFUFB } qty: 3
{ XPAR GO DBFUFR } qty: 1
{ XPAR GO DBFXAB } qty: 1
{ XPAR GO DBFXDB } qty: 1
{ XPAR GO DBFXFB } qty: 8
{ XPAR GO DBFXFR } qty: 1
{ XPAR GO DBFXXB } qty: 13
{ XPAR GO DBVGXB } qty: 2
{ XPAR GO DBVUQB } qty: 1
{ XPAR GO DBVUXB } qty: 1
{ XPAR GO DBVXAB } qty: 1
{ XPAR GO DBVXFB } qty: 7
{ XPAR GO DBVXGB } qty: 1
{ XPAR GO DBVXXB } qty: 9
{ XPAR GO DBXXAX } qty: 6
{ XPAR GO DBXXXX } qty: 838
{ XPAR GO DTFFSB } qty: 2
{ XPAR GO DTFXAB } qty: 1
{ XPAR GO DTFXDB } qty: 2
{ XPAR GO DTFXFB } qty: 16
{ XPAR GO DTFXFR } qty: 3
{ XPAR GO DTFXGB } qty: 1
{ XPAR GO DTFXXB } qty: 20
{ XPAR GO DTFXXN } qty: 1
{ XPAR GO DTVXFB } qty: 3
{ XPAR GO DTVXFR } qty: 2
{ XPAR GO DYFTXX } qty: 91
{ XPAR GO DYFUXB } qty: 15
{ XPAR GO DYFXXB } qty: 174
{ XPAR GO DYFXXX } qty: 784
{ XPAR GO DYVTXX } qty: 190
{ XPAR GO DYVXXB } qty: 510
{ XPAR GO DYVXXX } qty: 2311
{ XPAR GO DYXXXX } qty: 1
{ XPAR GO DYZTXX } qty: 451
{ XPAR GO DYZXXB } qty: 442
{ XPAR GO DYZXXX } qty: 1034
{ XPAR GO ESXUFB } qty: 1
{ XPAR INDEX MRIXXX } qty: 776
{ XPAR MTN DTVXXX } qty: 19
{ XPAR MTN DTXXXX } qty: 1996
{ XPAR NONE DBXTAX } qty: 221
{ XPAR NONE DBXTFX } qty: 42
{ XPAR NONE DBXTXX } qty: 64
{ XPAR NONE DBXXXX } qty: 216

```

(see next page)

BRANCHES CONTINUED

```

{ XPAR NONE DBZGFB } qty: 12
{ XPAR NONE DCXXXX } qty: 87
{ XPAR NONE DMXXFB } qty: 1
{ XPAR NONE DMXXXX } qty: 17
{ XPAR NONE DXXTXX } qty: 14
{ XPAR NONE DXXXXX } qty: 70
{ XPAR NONE ESNUFR } qty: 12
{ XPAR NONE ESXXXX } qty: 1461
{ XPAR NONE EUOGBE } qty: 2
{ XPAR NONE EUOGEE } qty: 1
{ XPAR NONE EUOGMN } qty: 1
{ XPAR NONE EUOGSB } qty: 21
{ XPAR NONE EUOGSN } qty: 52
{ XPAR NONE EUOGSR } qty: 13
{ XPAR NONE EUOGXB } qty: 106
{ XPAR NONE EUOGXN } qty: 32
{ XPAR NONE EUOGXZ } qty: 1
{ XPAR NONE EUOISB } qty: 1
{ XPAR NONE EUOISN } qty: 1
{ XPAR NONE EUOISR } qty: 4
{ XPAR NONE EUOIXB } qty: 23
{ XPAR NONE EUOIXN } qty: 2
{ XPAR NONE EUOIXR } qty: 2
{ XPAR NONE EUOMSB } qty: 1
{ XPAR NONE EUOMSN } qty: 14
{ XPAR NONE EUOMXB } qty: 244
{ XPAR NONE EUOMXN } qty: 28
{ XPAR NONE EUOXSX } qty: 3
{ XPAR NONE EUOXXN } qty: 8
{ XPAR NONE EUOXXX } qty: 13
{ XPAR NONE EUXXXX } qty: 180
{ XPAR NONE MRCXXX } qty: 45
{ XPAR NONE MRXXXX } qty: 322
{ XPAR NONE RAXXXX } qty: 1
{ XPAR NONE RMXXXX } qty: 9810
{ XPAR NONE RSXXXX } qty: 71
{ XPAR NONE RWXXXX } qty: 26
{ XPAR PS EPXXXX } qty: 1
{ XPAR PS ERXXXX } qty: 3
{ XPAR WAR RWSXXX } qty: 64633
{ XPAR WAR RWXXXX } qty: 215482
{ XLUX GO DBXXXX } qty: 36225
{ XLUX INDEX MRXXXX } qty: 38
{ XLUX NONE DWXXXX } qty: 1
{ XLUX NONE ESXXXX } qty: 80
{ XLUX NONE EUXXXX } qty: 8458
{ XLUX NONE MRXXXX } qty: 22
{ XLUX WAR RWMXXX } qty: 7038
{ XLIS GO DBFUFB } qty: 6
{ XLIS GO DBVSDR } qty: 3
{ XLIS GO DBVUDB } qty: 1
{ XLIS GO DBVUFB } qty: 9
{ XLIS GO DBVUGB } qty: 1
{ XLIS GO DBXXXX } qty: 230
{ XLIS GO DTVUFR } qty: 1

```

(see next page)

BRANCHES CONTINUED

```

{ XLIS GO    DYFTXR } qty: 28
{ XLIS GO    DYFUXR } qty: 423
{ XLIS GO    DYVUXR } qty: 65
{ XLIS GO    DYXXXX } qty: 1
{ XLIS INDEX MRXXXX } qty: 39
{ XLIS MTN   DTXXXX } qty: 105
{ XLIS NONE DBXXXX } qty: 37
{ XLIS NONE DCXXXX } qty: 1
{ XLIS NONE DMXXXX } qty: 2
{ XLIS NONE ESXXXX } qty: 66
{ XLIS NONE EUOGRS } qty: 9
{ XLIS NONE EUXXXX } qty: 12
{ XLIS NONE RAXXXX } qty: 13
{ XLIS NONE RSXXXX } qty: 7
{ XLIS PS    ERXXXX } qty: 2
{ XAMS GO    DBFGQB } qty: 1
{ XAMS GO    DBFSBB } qty: 3
{ XAMS GO    DBFSFN } qty: 16
{ XAMS GO    DBFSGB } qty: 2
{ XAMS GO    DBFUQB } qty: 1
{ XAMS GO    DBFXFB } qty: 2
{ XAMS GO    DBFXXB } qty: 4
{ XAMS GO    DBFXXN } qty: 5
{ XAMS GO    DBVSBB } qty: 4
{ XAMS GO    DBVSCN } qty: 1
{ XAMS GO    DBVSGB } qty: 4
{ XAMS GO    DBVSGR } qty: 2
{ XAMS GO    DBVUQB } qty: 2
{ XAMS GO    DBVXBB } qty: 7
{ XAMS GO    DBVXFB } qty: 115
{ XAMS GO    DBVXFR } qty: 8
{ XAMS GO    DBVXGB } qty: 27
{ XAMS GO    DBVXXB } qty: 1
{ XAMS GO    DBVXXN } qty: 11
{ XAMS GO    DBXXAX } qty: 93
{ XAMS GO    DBXXFX } qty: 18
{ XAMS GO    DBXXXX } qty: 1130
{ XAMS GO    DBZSBB } qty: 4
{ XAMS GO    DTFXFB } qty: 2
{ XAMS GO    DTVXFB } qty: 1
{ XAMS GO    DYXXXB } qty: 11
{ XAMS INDEX MRXXXX } qty: 238
{ XAMS MTN   DTVXXX } qty: 23
{ XAMS MTN   DTXXXX } qty: 1278
{ XAMS NONE DBXXXX } qty: 58
{ XAMS NONE DCXXXX } qty: 3
{ XAMS NONE DXXTXX } qty: 2
{ XAMS NONE DXXXXX } qty: 28
{ XAMS NONE ESVUFN } qty: 4
{ XAMS NONE ESXXXX } qty: 290
{ XAMS NONE EUOGCR } qty: 1
{ XAMS NONE EUOGSE } qty: 6
{ XAMS NONE EUOGRS } qty: 5
{ XAMS NONE EUOGXR } qty: 16
{ XAMS NONE EUOISN } qty: 1

```

(see next page)

BRANCHES CONTINUED

```

{ XAMS NONE EUOISR } qty: 19
{ XAMS NONE EUOIXR } qty: 9
{ XAMS NONE EUOMSN } qty: 2
{ XAMS NONE EUOMXB } qty: 1
{ XAMS NONE EUOXXR } qty: 3
{ XAMS NONE EUOXXX } qty: 5
{ XAMS NONE EUXXXX } qty: 415
{ XAMS NONE MRXXXX } qty: 55
{ XAMS NONE RAXXXX } qty: 1
{ XAMS NONE RMXXXX } qty: 1134
{ XAMS NONE RSXXXX } qty: 12
{ XAMS PS EPXXXX } qty: 1
{ XAMS PS ERXXXX } qty: 10
{ XAMS WAR RWSXXX } qty: 219
{ XAMS WAR RWXXXX } qty: 88405
{ ENXB WAR RWIXXX } qty: 1
{ ENXB WAR RWSXXX } qty: 1
{ ENXB WAR RWXXXX } qty: 49
{ ENXL GO DBVUCB } qty: 1
{ ENXL GO DBVUFB } qty: 2
{ ENXL GO DBXXXX } qty: 14
{ ENXL GO DYFUXR } qty: 1
{ ENXL NONE DBXXXX } qty: 4
{ ENXL NONE ESXXXX } qty: 18
{ ENXL NONE RMXXXX } qty: 330
{ ENXL WAR RWSXXX } qty: 6929
{ ENXL WAR RWXXXX } qty: 7400
{ TNLB NONE ESXXXX } qty: 5
{ MLXB GO DBXXXX } qty: 4
{ MLXB NONE ESXXXX } qty: 24
{ MLXB NONE RMXXXX } qty: 6
{ ALXP GO DBXXXX } qty: 40
{ ALXP NONE DBXXXX } qty: 3
{ ALXP NONE DCXXXX } qty: 8
{ ALXP NONE DWXXXX } qty: 1
{ ALXP NONE ESXXXX } qty: 238
{ ALXP NONE RSXXXX } qty: 37
{ ALXP PS ERXXXX } qty: 1
{ ALXP WAR RWSXXX } qty: 28
{ ALXB GO DBXXXX } qty: 13
{ ALXB MTN DTXXXX } qty: 9
{ ALXB NONE ESXXXX } qty: 13
{ ALXB NONE RMXXXX } qty: 2
{ ALXA GO DBXXXX } qty: 2
{ ALXA NONE ESXXXX } qty: 11
{ ALXA NONE EUXXXX } qty: 1
{ TNLA NONE ESXXXX } qty: 28
{ misc GO DBXXXX } qty: 8153
{ misc GO DYXXXX } qty: 23
{ misc NONE DWXXXX } qty: 2
{ misc NONE ESXXXX } qty: 8581
{ misc NONE EUOISR } qty: 2
{ misc NONE EUOIXR } qty: 5
{ misc NONE EUOGRB } qty: 2
{ misc NONE EUOGRX } qty: 2
{ misc NONE EUOIXR } qty: 4

```

(see next page)

BRANCHES CONTINUED

```

{ misc NONE EUOMXB } qty: 2
{ misc NONE EUXXXX } qty: 183
{ misc NONE RMXXXX } qty: 1
{ misc PS   ERXXXX } qty: 1
{ misc WAR  RWMXXX } qty: 4998

```

1.2. Types of Instruments

The following sections describe the instruments available on the EURONEXT UTP market data stream:

- [1.2.1. Equities](#)
- [1.2.2. Bonds](#)
- [1.2.3. Rights](#)
- [1.2.4. Warrants](#)
- [1.2.5. Indices](#)

1.2.1. Equities

The sample below illustrates the details of an equity:

```

instr # 81/1193028 = 171062340
  PriceCurrency      string{EUR}
  Symbol            string{HIPAY}
  Description        string{HIPAY GROUP}
  SecurityType       string{NONE}
  FOSMarketId       XPAR
  PriceType          uint8{2}
  CFICode            string{ESXXXX}
  CountryOfIssue     string{FRA}
  RoundLot           float64{1}
  SecuritySubType    string{41}
  InternalCreationDate Timestamp{2015-07-23 17:36:03:079}
  InternalModificationDate Timestamp{2015-07-24 04:25:01:096}
  InternalSourceId   uint16{95}
  InternalAggregationId uint16{95}
  InternalEntitlementId int32{1034}
  LocalCodeStr       string{FR0012821916}
  ISIN                string{FR0012821916}
  ICB_SubsectorCode   uint32{2795}
  PriceIncrement_dynamic_TableId uint32{6226028}
  SecurityTradingId   string{FR0012821916}
  OperatingMIC         string{XPAR}
  MARKET_EURONEXT_InstrumentGroupCode string{16}
  MARKET_EURONEXT_TypeOfUnitOfExpressionForInstrumentPrice string{1}
  MARKET_EURONEXT_NominalMarketValueOfTheSecurity float64{11}
  MARKET_EURONEXT_QuantityNotation string{UNT}
  MARKET_EURONEXT_IndicatorOfUnderlyingSecurityOnLending string{0}
  MARKET_EURONEXT_EligibleToPEA bool{True}
  MARKET_EURONEXT_TypeOfMarketAdmission char{J}

```

1.2.2. Bonds

The sample below illustrates the details of a bond:

```
instr # 202/759528 = 424384232
  PriceCurrency      string{EUR}
  Symbol             string{BBBRR}
  Description         string{BPI FRN 31MAR25}
  SecurityType       string{NONE}
  FOSMarketId        XLIS
  PriceType          uint8{1}
  CFICode            string{DBXXX}
  CountryOfIssue     string{PRT}
  RoundLot           float64{100000}
  SecuritySubType    string{259}
  InternalCreationDate Timestamp{2015-03-27 18:49:10:328}
  InternalModificationDate Timestamp{2015-07-24 04:25:10:230}
  InternalSourceId   uint16{95}
  InternalAggregationId uint16{95}
  InternalEntitlementId int32{1034}
  LocalCodeStr       string{PTBBRROE0048}
  ISIN               string{PTBBRROE0048}
  ICB_SubsectorCode  uint32{8355}
  PriceIncrement_dynamic_TableId uint32{6226032}
  SecurityTradingId   string{PTBBRROE0048}
  OperatingMIC        string{XLIS}
  MARKET_EURONEXT_InstrumentGroupCode string{R2}
  MARKET_EURONEXT_TypeOfUnitOfExpressionForInstrumentPrice string{2}
  MARKET_EURONEXT_NominalMarketValueOfTheSecurity float64{1}
  MARKET_EURONEXT_QuantityNotation string{FMT}
  MARKET_EURONEXT_IndicatorOfUnderlyingSecurityOnLending string{0}
  MARKET_EURONEXT_TypeOfMarketAdmission char{G}
```

1.2.3. Rights

The sample below illustrates the details of a right:

```
instr # 265/902381 = 556647661
  PriceCurrency      string{EUR}
  Symbol             string{DK97B}
  Description         string{SP500 2240BOC0716B}
  SecurityType        string{NONE}
  StrikePrice         float64{2240}
  FOSMarketId         XAMS
  PriceType           uint8{2}
  CFICode             string{RMXXX}
  CountryOfIssue      string{NLD}
  RoundLot            float64{1}
  SecuritySubType     string{257}
  StrikeCurrency       string{USD}
  InternalCreationDate Timestamp{2015-06-25 17:32:40:158}
  InternalModificationDate Timestamp{2015-07-24 04:25:11:593}
  InternalSourceId     uint16{95}
  InternalAggregationId uint16{95}
  InternalEntitlementId int32{1034}
  LocalCodeStr         string{NL0011256979}
  ISIN                 string{NL0011256979}
  UnderlyingLocalCodeStr string{US78378X1072}
  PriceIncrement_dynamic_TableId uint32{6226028}
  SecurityTradingId     string{NL0011256979}
  OperatingMIC           string{XAMS}
  MARKET_EURONEXT_InstrumentGroupCode string{MI}
  MARKET_EURONEXT_TypeOfUnitOfExpressionForInstrumentPrice string{1}
  MARKET_EURONEXT_NominalMarketValueOfTheSecurity float64{18.86}
  MARKET_EURONEXT_QuantityNotation string{UNT}
  MARKET_EURONEXT_IndicatorOfUnderlyingSecurityOnLending string{0}
  MARKET_EURONEXT_TypeOfMarketAdmission char{G}
```

1.2.4. Warrants

The sample below illustrates the details of a warrant:

```
instr # 265/876341 = 556621621
  PriceCurrency      string{EUR}
  Symbol             string{WROD1}
  Description         string{ROODMICROTECWAR1}
  SecurityType        string{WAR}
  StrikePrice         float64{0.13}
  FOSMarketId         XAMS
  PriceType           uint8{2}
  CFICode             string{RWSXXX}
  CountryOfIssue      string{NLD}
  RoundLot            float64{1}
  SecuritySubType      string{72}
  InternalCreationDate Timestamp{2014-10-31 18:34:03:967}
  InternalModificationDate Timestamp{2015-07-24 04:25:11:593}
  InternalSourceId     uint16{95}
  InternalAggregationId uint16{95}
  InternalEntitlementId int32{1034}
  LocalCodeStr         string{NL0010938130}
  ISIN                 string{NL0010938130}
  ICB_SubsectorCode    uint32{9576}
  PriceIncrement_dynamic_TableId uint32{6226028}
  SecurityTradingId     string{NL0010938130}
  OperatingMIC           string{XAMS}
  MARKET_EURONEXT_InstrumentGroupCode string{k1}
  MARKET_EURONEXT_TypeOfUnitOfExpressionForInstrumentPrice string{1}
  MARKET_EURONEXT_NominalMarketValueOfTheSecurity float64{0}
  MARKET_EURONEXT_QuantityNotation string{UNT}
  MARKET_EURONEXT_IndicatorOfUnderlyingSecurityOnLending string{0}
  MARKET_EURONEXT_TypeOfMarketAdmission char{L}
```


1.2.5. Indices

The sample below illustrates the details of an index:

```
instr # 81/1193081 = 171062393
  PriceCurrency      string{USD}
  Symbol             string{IU11S}
  Description         string{EASYETF U11S INAV}
  SecurityType       string{INDEX}
  FOSMarketId        XPAR
  PriceType          uint8{2}
  CFICode            string{MRIXXX}
  CountryOfIssue     string{LUX}
  RoundLot           float64{1}
  SecuritySubType    string{68}
  InternalCreationDate Timestamp{2015-07-23 17:36:08:094}
  InternalModificationDate Timestamp{2015-07-24 04:25:01:238}
  InternalSourceId   uint16{95}
  InternalAggregationId uint16{95}
  InternalEntitlementId int32{1035}
  LocalCodeStr       string{NSCFR0IU11S6}
  ISIN               string{NSCFR0IU11S6}
  PriceIncrement_static float64{0.01}
  ICB_SubsectorCode   uint32{8995}
  SecurityTradingId   string{NSCFR0IU11S6}
  OperatingMIC        string{XPAR}
  MARKET_EURONEXT_InstrumentGroupCode string{88}
  MARKET_EURONEXT_TypeOfUnitOfExpressionForInstrumentPrice string{1}
  MARKET_EURONEXT_NominalMarketValueOfTheSecurity float64{0}
  MARKET_EURONEXT_QuantityNotation string{UNT}
  MARKET_EURONEXT_IndicatorOfUnderlyingSecurityOnLending string{8}
  MARKET_EURONEXT_TypeOfMarketAdmission char{7}
```

1.3. Specific Referential Tags

The following sections describe additional, specific referential tags available on the EURONEXT UTP market data stream:

- [1.3.1. OperatingMIC & SegmentMIC](#)
- [1.3.2. MARKET_EURONEXT_InstrumentGroupCode](#)
- [1.3.3. MARKET_EURONEXT_TypeOfUnitOfExpressionForInstrumentPrice](#)
- [1.3.4. MARKET_EURONEXT_NominalMarketValueOfTheSecurity](#)
- [1.3.5. MARKET_EURONEXT_QuantityNotation](#)
- [1.3.6. MARKET_EURONEXT_IndicatorOfUnderlyingSecurityOnLending](#)
- [1.3.7. MARKET_EURONEXT_EligibleToPEA](#)
- [1.3.8. MARKET_EURONEXT_TypeOfMarketAdmission.](#)

1.3.1. OperatingMIC & SegmentMIC

The values of the referential tags **OperatingMIC** and **SegmentMIC** conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in *Referential* to specify the parent and child MIC.

FeedOS implementation of the tags `OperatingMIC` and `SegmentMIC` is described in the table below:

Table 2 `OperatingMIC` and `SegmentMIC` – technical implementation in FeedOS

Component	Value		Description
Tag Name	<code>OperatingMIC</code>	<code>SegmentMIC</code>	FeedOS tag name.
Numeric ID	9533	9534	FeedOS unique ID disseminated on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	String	String	String data type.
Format	<i>[Exchange Specific Value]</i>	<i>[Exchange Specific Value]</i>	An exchange specific value , specifying the parent and child MICs.
Possible Values	XAMS	XAMS	NYSE Euronext - Euronext Amsterdam
	XAMS	ALXA	NYSE Euronext - Alternext Amsterdam
	XAMS	TNLA	NYSE Euronext - Traded but not listed Amsterdam
	XBRU	XBRU	NYSE Euronext - Euronext Brussels
	XBRU	ALXB	NYSE Euronext - Alternext Brussels
	XBRU	MLXB	NYSE Euronext - Marché Libre Brussels
	XBRU	TNLB	NYSE Euronext - Trading Facility Brussels
	XLIS	XLIS	NYSE Euronext - Euronext Lisbon
	XLIS	ENXL	NYSE Euronext - Easynext Lisbon
	XPAR	XPAR	NYSE Euronext - Euronext Paris
	XPAR	XMLI	NYSE Euronext - Marché Libre Paris
	XPAR	ALXP	NYSE Euronext - Alternext Paris
	XLUX	XLUX	Luxembourg Stock Exchange

1.3.2. MARKET_EURONEXT_InstrumentGroupCode

The referential tag `MARKET_EURONEXT_InstrumentGroupCode` is disseminated via FeedOS market data stream in *Referential* to detail the code of the Instrument Group.

FeedOS implementation of the tag `MARKET_EURONEXT_InstrumentGroupCode` is described in the following table:

Table 3 `MARKET_EURONEXT_InstrumentGroupCode` – technical implementation in FeedOS

Component	Value	Description
Tag Name	<code>MARKET_EURONEXT_InstrumentGroupCode</code>	FeedOS tag name.
Numeric ID	11050	FeedOS unique ID disseminated on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	String	String data type.
Format / Possible Values	<i>[Exchange Specific Value]</i>	An exchange specific value , detailing the code of the Instrument Group.

1.3.3. MARKET_EURONEXT_TypeOfUnitOfExpressionForInstrumentPrice

The referential tag `MARKET_EURONEXT_TypeOfUnitOfExpressionForInstrumentPrice` is disseminated via FeedOS market data stream in *Referential* to indicate the unit in which the security is quoted.

FeedOS implementation of the tag **MARKET_EURONEXT_TypeOfUnitOfExpressionForInstrumentPrice** is described below:

Table 4 **MARKET_EURONEXT_TypeOfUnitOfExpressionForInstrumentPrice – technical implementation in FeedOS**

Component	Value	Description
Tag Name	MARKET_EURONEXT_TypeOfUnitOfExpressionForInstrumentPrice	FeedOS tag name.
Numeric ID	11051	FeedOS unique ID disseminated on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	String	String data type.
Format	<i>[Exchange specific value]</i>	An exchange specific value , detailing the unit in which the security is quoted.
Possible Values	1	In units.
	2	As a % of nominal (excluding accrued interest – <i>Clean</i>).
	3	As a % of nominal (including accrued interest – <i>Dirty</i>).
	8	In kilograms.
	9	In ounces

1.3.4. MARKET_EURONEXT_NominalMarketValueOfTheSecurity

The referential tag **MARKET_EURONEXT_NominalMarketValueOfTheSecurity** is disseminated via FeedOS market data stream in *Referential* to indicate is the amount of the instrument nominal value.

FeedOS implementation of the tag **MARKET_EURONEXT_NominalMarketValueOfTheSecurity** is described below:

Table 5 **MARKET_EURONEXT_NominalMarketValueOfTheSecurity – technical implementation in FeedOS**

Component	Value	Description
Tag Name	MARKET_EURONEXT_NominalMarketValueOfTheSecurity	FeedOS tag name.
Numeric ID	11052	FeedOS unique ID disseminated on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	Float64	Float64 data type.
Format / Possible Values	<i>[Exchange specific value]</i>	An exchange specific value , detailing the amount of the instruments' nominal value.

1.3.5. MARKET_EURONEXT_QuantityNotation

The referential tag **MARKET_EURONEXT_QuantityNotation** is disseminated via FeedOS market data stream in *Referential* to specify the nature of the amount expression used for negotiating the instrument on the market.

FeedOS implementation of the tag MARKET_EURONEXT_QuantityNotation is described in the following table:

Table 6 MARKET_EURONEXT_QuantityNotation – technical implementation in FeedOS

Component	Value	Description
Tag Name	MARKET_EURONEXT_QuantityNotation	FeedOS tag name.
Numeric ID	11053	FeedOS unique ID disseminated on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	String	String data type.
Format	<i>[Exchange specific value]</i>	An exchange specific value , detailing the nature of the amount expression used for negotiating the instrument on the market.
Possible Values	UNT	In unit (i.e. number of shares)
	FMT	In facial amount (i.e. bonds expressed in %)
	Null	Not applicable

1.3.6. MARKET_EURONEXT_IndicatorOfUnderlyingSecurityOnLending

The referential tag MARKET_EURONEXT_IndicatorOfUnderlyingSecurityOnLending is disseminated via FeedOS market data stream in *Referential* to indicate whether the security listed underlies any loan contracts, meaning it has been admitted to the Deferred Settlement system and/or to the lending market.

FeedOS implementation of the tag MARKET_EURONEXT_IndicatorOfUnderlyingSecurityOnLending is described in the following table:

Table 7 MARKET_EURONEXT_IndicatorOfUnderlyingSecurityOnLending – technical implementation in FeedOS

Component	Value	Description
Tag Name	MARKET_EURONEXT_IndicatorOfUnderlyingSecurityOnLending	FeedOS tag name.
Numeric ID	11054	FeedOS unique ID disseminated on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	String	String data type.
Format	<i>[Exchange specific value]</i>	An exchange specific value , specifying whether the security underlies any loan contracts or not.
Possible Values	0	Instrument neither eligible for the SRD, nor eligible for the Loan and Lending Market.
	1	Instrument eligible for the SRD and for the loan and Lending Market.
	2	Instrument eligible for the SRD long only.
	3	Instrument eligible for the Loan and Lending Market but not for the SRD.
	4	Easy-to-borrow eligible for the SRD and for the Loan and Lending Market.
	8	Non significant.

1.3.7. MARKET_EURONEXT_EligibleToPEA

The referential tag MARKET_EURONEXT_EligibleToPEA is disseminated via FeedOS market data stream in *Referential*, to indicate whether the instrument is eligible to a Plan Epargne Action or not.

FeedOS implementation of the tag `MARKET_EURONEXT_EligibleToPEA` is described in the following table:

Table 8 `MARKET_EURONEXT_EligibleToPEA` – technical implementation in FeedOS

Component	Value	Description
Tag Name	<code>MARKET_EURONEXT_EligibleToPEA</code>	FeedOS tag name.
Numeric ID	11055	FeedOS unique ID disseminated on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	Bool	Boolean data type.
Format	<i>[Exchange specific value]</i>	An exchange specific value , indicating whether the instrument is eligible to a Plan Epargne Action or not.
Possible Values	True	Eligible
	False	Non-eligible.

1.3.8. `MARKET_EURONEXT_TypeOfMarketAdmission`

The values of the referential tag `MARKET_EURONEXT_TypeOfMarketAdmission` conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in *Referential* to indicate the type of market to which a security has been listed.

FeedOS implementation of the tag `MARKET_EURONEXT_TypeOfMarketAdmission` is described in the table below:

Table 9 `MARKET_EURONEXT_TypeOfMarketAdmission` – technical implementation in FeedOS

Component	Value	Description
Tag Name	<code>MARKET_EURONEXT_TypeOfMarketAdmission</code>	FeedOS tag name.
Numeric ID	11056	FeedOS unique ID disseminated on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	Char	Char data type.
Format	<i>[Exchange specific value]</i>	An exchange specific value , indicating the type of market to which a security has been listed.
Possible Values	A	Instruments traded on the primary market
	B	Instruments traded on the secondary market
	C	Instruments traded on the New Market
	D	Non regulated market / instruments traded on the free market ('Marché Libre')
	E	Non regulated market / Alternext
	F	Non listed
	G	Regulated Market / Non equities
	H	Regulated Market / Equities / Segment A
	I	Regulated Market / Equities / Segment B
	J	Regulated Market / Equities / Segment C
	K	Regulated Market / All securities / Special Segment
	L	Regulated Market / Equities / Other instruments
	S	OPCVM, SICOMI non listed (French Investment Funds)
	6	Off Market
	7	Gold, Currencies, and Indices of Euronext
	9	Foreign

2. Quotation Data

The following sections describe the characteristics of the quotation data on the EURONEXT UTP market data stream, in terms of:

- [2.1. Quotation Values](#)
- [2.2. TradingStatus](#)
- [2.3. Specific Quotation Tags](#)
- [2.4. MBL and MBO Data.](#)

2.1. Quotation Values

The examples below shows the possible values of an instrument on the EURONEXT UTP market data stream:

```
InstrumentStatusL1
-- 81/1193028
    BID: 14.86      187      @1
    ASK: 15.18      201      @1
    LastPrice                float64{14.86}
    LastTradeQty              float64{9}
    DailyHighPrice            float64{15.48}
    DailyLowPrice             float64{14.8}
    DailyTotalVolumeTraded    float64{2524}
    DailyTotalAssetTraded     float64{38089.29}
    LastTradePrice            float64{14.86}
    LastTradeTimestamp        Timestamp{2015-07-24 12:25:40:154}
    InternalDailyOpenTimestamp Timestamp{2015-07-24 07:00:00:001}
    InternalDailyHighTimestamp Timestamp{2015-07-24 07:00:00:001}
    InternalDailyLowTimestamp  Timestamp{2015-07-24 07:30:40:116}
    InternalPriceActivityTimestamp Timestamp{2015-07-24 12:25:40:155}
    LowLimitPrice             float64{14.12}
    HighLimitPrice            float64{15.6}
    TradingStatus              17=ReadyToTrade
    DailyOpeningPrice          float64{15.48}
    CurrentBusinessDay         Timestamp{2015-07-24}
    PriceActivityMarketTimestamp Timestamp{2015-07-24 12:25:40:154}
    InternalDailyBusinessDayTimestamp Timestamp{2015-07-24 07:00:00:001}
    MARKET_EURONEXT_ClassState string{COCO}
```

For more details about the fields and tags available in quotation data type, and their possible values, see *FeedOS Quotation Tags Guide*.

2.2. TradingStatus

Each time a modification of the trading status occurs, the values of the quotation tag **TradingStatus** conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in *Other Values*:

- in the callback carrying the Level1 event `notif_TradeEventExt()`, for C++
- in the event handler `TradeEventExtEventHandler`, for C#
- in the callback carrying the Level1 event `quotNotifTradeEventExt`, for Java.

FeedOS implementation of the tag `TradingStatus` is described in the following table:

Table 10 `TradingStatus` – technical implementation in FeedOS

Component	Value	Description
Tag Name	<code>TradingStatus</code>	FeedOS tag name.
Numeric ID	9100	FeedOS unique ID disseminated on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	Enum	Enum data type.
Format	<i>[Exchange specific value]</i>	An exchange specific value , detailing the characteristics of the trading status.
Possible Values	2	Trading Halt
	15	New Price Indication
	17	Ready to Trade
	18	Not Available for Trading
	21	Pre-Open

2.3. Specific Quotation Tags

The following sections describe additional, specific quotation tags available on the EURONEXT UTP market data stream:

- [2.3.1. Trade Conditions](#)
- [2.3.2. Other Values.](#)

2.3.1. Trade Conditions

The following subsections describe the trade conditions on the EURONEXT UTP market data stream:

- [2.3.1.1. MARKET_EURONEXT_CrossOrderIndicator](#)
- [2.3.1.2. MARKET_EURONEXT_OrderPriorityTimestamp](#)
- [2.3.1.3. MARKET_EURONEXT_TradeOffExchangeFlag](#)
- [2.3.1.4. MARKET_EURONEXT_TradingVenue](#)
- [2.3.1.5. MARKET_EURONEXT_TradeTypeOfOperation.](#)

2.3.1.1. MARKET_EURONEXT_CrossOrderIndicator

Each time a cross order occurs, the values of the quotation tag `MARKET_EURONEXT_CrossOrderIndicator` conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in *Context*:

- in the callback carrying the Level1 event `notif_TradeEventExt()`, for C++
- in the event handler `TradeEventExtEventHandler`, for C#

- in the callback carrying the Level1 event `quotNotifTradeEventExt`, for Java.

FeedOS implementation of the tag `MARKET_EURONEXT_CrossOrderIndicator` is described in the table below:

Table 11 `MARKET_EURONEXT_CrossOrderIndicator` – technical implementation in FeedOS

Component	Value	Description
Tag Name	<code>MARKET_EURONEXT_CrossOrderIndicator</code>	FeedOS tag name.
Numeric ID	15050	FeedOS unique ID broadcast on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	String	String data type.
Format	<i>[Exchange Specific Value]</i>	An exchange specific value , indicating the presence of a cross order.
Possible Values	0	The trade does not stem from a cross order.
	1	The trade stems from a cross order.
	4	Valuation trade.
	7	The cumulated volume data of the day, either traded on UTP or received from TCS (CumulativeQuantity = Cumulative Quantity of TCS + CumulativeQuantity of UTP).
	N	For future use.
	R	Retail Matching Facility Trade.

2.3.1.2. `MARKET_EURONEXT_OrderPriorityTimestamp`

Each time an order is given, the values of the quotation tag `MARKET_EURONEXT_OrderPriorityTimestamp` conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in *Context*:

- in the callback carrying the Level1 event `notif_TradeEventExt()`, for C++
- in the event handler `TradeEventExtEventHandler`, for C#
- in the callback carrying the Level1 event `quotNotifTradeEventExt`, for Java.

FeedOS implementation of the tag `MARKET_EURONEXT_OrderPriorityTimestamp` is described in the table below:

Table 12 `MARKET_EURONEXT_OrderPriorityTimestamp` – technical implementation in FeedOS

Component	Value	Description
Tag Name	<code>MARKET_EURONEXT_OrderPriorityTimestamp</code>	FeedOS tag name.
Numeric ID	15052	FeedOS unique ID broadcast on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	Timestamp	Timestamp data type.
Format / Possible Values	<i>[Exchange Specific Value]</i>	An exchange specific value , providing the timestamp of the order priority.

2.3.1.3. `MARKET_EURONEXT_TradeOffExchangeFlag`

Each time a trade relates to a block or a negotiated deal following MiFID rules, the values of the quotation tag `MARKET_EURONEXT_TradeOffExchangeFlag` conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in *Context*:

- in the callback carrying the Level1 event `notif_TradeEventExt()`, for C++
- in the event handler `TradeEventExtEventHandler`, for C#

- in the callback carrying the Level1 event `quotNotifTradeEventExt`, for Java.

FeedOS implementation of the tag `MARKET_EURONEXT_TradeOffExchangeFlag` is described in the table below:

Table 13 MARKET_EURONEXT_TradeOffExchangeFlag – technical implementation in FeedOS

Component	Value	Description
Tag Name	MARKET_EURONEXT_TradeOffExchangeFlag	FeedOS tag name.
Numeric ID	15053	FeedOS unique ID broadcast on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	String	String data type.
Format	<i>[Exchange Specific Value]</i>	An exchange specific value , detailing whether the trade relates to a block or a deal negotiated on MiFID rules.
Possible Values	B	Block Trade
	N	Regular Trade or Negotiated Deal
	Null	Undefined

2.3.1.4. MARKET_EURONEXT_TradingVenue

Each time a security is traded on a specific Euronext market, the values of the quotation tag `MARKET_EURONEXT_TradingVenue` conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in *Context*:

- in the callback carrying the Level1 event `notif_TradeEventExt()`, for C++
- in the event handler `TradeEventExtEventHandler`, for C#
- in the callback carrying the Level1 event `quotNotifTradeEventExt`, for Java.

FeedOS implementation of the tag `MARKET_EURONEXT_TradingVenue` is described in the table below:

Table 14 MARKET_EURONEXT_TradingVenue – technical implementation in FeedOS

Component	Value	Description
Tag Name	MARKET_EURONEXT_TradingVenue	FeedOS tag name.
Numeric ID	15054	FeedOS unique ID broadcast on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	String	String data type.
Format	<i>[Exchange Specific Value]</i>	An exchange specific value , detailing the Euronext MIC where the security is traded.
Possible Values	Initial MIC of the instrument	If the TCS Operation Type = D, E, H, I.
	Other Euronext MIC, but different than the initial MIC of the instrument	If the TCS Operation Type = R.

2.3.1.5. MARKET_EURONEXT_TradeTypeOfOperation

Each time a trade occurs, the values of the quotation tag `MARKET_EURONEXT_TradeTypeOfOperation` conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in *Context*:

- in the callback carrying the Level1 event `notif_TradeEventExt()`, for C++
- in the event handler `TradeEventExtEventHandler`, for C#

- in the callback carrying the Level1 event `quotNotifTradeEventExt`, for Java.

FeedOS implementation of the values currently available for the tag `MARKET_EURONEXT_TradeTypeOfOperation` is described in the table below:

Table 15 `MARKET_EURONEXT_TradeTypeOfOperation` – technical implementation in FeedOS

Component	Value	Description
Tag Name	<code>MARKET_EURONEXT_TradeTypeOfOperation</code>	FeedOS tag name.
Numeric ID	15056	FeedOS unique ID broadcast on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	String	String data type.
Format / Possible Values	<i>[Exchange Specific Value]</i>	An exchange specific value , detailing the type of operation.
Possible Values	D	Delta Neutral Liffe Connect
	E	Market VWap Operation
	H	Out of Market
	I	Investment Funds
	R	Secondary Listing Place

2.3.2. Other Values

The following subsections describe additional specific quotation tags on the EURONEXT UTP market data stream:

- [2.3.3. InternalDailyClosingPriceType](#)
- [2.3.3.1. MARKET_EURONEXT_HaltReason](#)
- [2.3.3.2. MARKET_EURONEXT_ClassState](#).

2.3.3. InternalDailyClosingPriceType

The values of the quotation tag **InternalDailyClosingPriceType** conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in *Other Values* to indicate the type of the internal daily closing price:

- in the callback carrying the Level1 event `notif_TradeEventExt()`, for C++
- in the event handler `TradeEventExtEventHandler`, for C#
- in the callback carrying the Level1 event `quotNotifTradeEventExt`, for Java.

FeedOS implementation of the tag `InternalDailyClosingPriceType` is described in the table below (the values currently disseminated are highlighted in **green**):

Table 16 InternalDailyClosingPriceType – technical implementation in QuantFEED®

Component	Value	Description
Tag Name	<code>InternalDailyClosingPriceType</code>	FeedOS tag name.
Numeric ID	9155	FeedOS unique ID disseminated on S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	Char	Char data type.
Format	<i>[Internal Specific value]</i>	An internal specific value , detailing the type of daily closing price, as described below.
Possible Values	0	Undefined
	a	Official Close – Explicit closing price value calculated and distributed by an exchange for the main trading session of a given trading day.
	b	Official Indicative – Exchange has provided an indicative price and marked it as indicative, however no trading activity is observed.
	c	Official Carry Over – Explicit Closing price value from a previous trading day carried forward by the exchange to the given trading day.
	d	Last Price – Final price disseminated by the exchange for the main trading session or dissemination period of a given trading day (for indices).
	e	Last Eligible Price – Execution price of the final trade (subject to trade qualifiers) accepted by the exchange for the main trading session of a given trading day.
	z	Manual – Price disseminated manually (in case of production correction).

2.3.3.1. MARKET_EURONEXT_HaltReason

Each time an instrument is halted from trading, the values of the quotation tag `MARKET_EURONEXT_HaltReason` conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in *Other Values*:

- in the callback carrying the Level1 event `notif_TradeEventExt()`, for C++
- in the event handler `TradeEventExtEventHandler`, for C#
- in the callback carrying the Level1 event `quotNotifTradeEventExt`, for Java.

FeedOS implementation of the tag `MARKET_EURONEXT_HaltReason` is described in the table below:

Table 17 MARKET_EURONEXT_HaltReason – technical implementation in FeedOS

Component	Value	Description
Tag Name	<code>MARKET_EURONEXT_HaltReason</code>	FeedOS tag name.
Numeric ID	14550	FeedOS unique ID disseminated on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	String	String data type.
Format	<i>[Exchange Specific value]</i>	An exchange specific value , detailing the reason for halting for an instrument.

Table 17 MARKET_EURONEXT_HaltReason – technical implementation in FeedOS (Continued)

Component	Value	Description
Possible Values	0	Not applicable.
	C	Opening or trade price outside dynamic collars.
	K	Knock-Out
	M	Manually halting by market operations.
	R	Halted.
	<Null> or <Space>	Instrument not halted or information not available.

2.3.3.2. MARKET_EURONEXT_ClassState

Each time the state of a group of instruments changes, the values of the quotation tag **MARKET_EURONEXT_ClassState** conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in *Other Values*:

- in the callback carrying the Level1 event `notif_TradeEventExt()`, for C++
- in the event handler `TradeEventExtEventHandler`, for C#
- in the callback carrying the Level1 event `quotNotifTradeEventExt`, for Java.

FeedOS implementation of the values currently available for the tag **MARKET_EURONEXT_ClassState** is described in the table below:

Table 18 MARKET_EURONEXT_ClassState – technical implementation in FeedOS

Component	Value	Description
Tag Name	MARKET_EURONEXT_ClassState	FeedOS tag name.
Numeric ID	14551	FeedOS unique ID broadcast on the S&P Capital IQ Real-Time Solutions data stream. This is the numeric equivalent of the tag name.
Type	String	String data type.
Format	<i>[Exchange specific value]</i>	An exchange specific value , indicating the state of a group of instruments.
Possible Values	EAMO	Early Monitoring
	COCA	Core Call
	COAU	Core Auction
	COCO	Core Continuous
	CLCA	Closing Call
	CLAU	Closing Auction
	TAL	Trading At Last
	COMO	Core Monitoring
	LAMO	Late Monitoring
	CLSD	Closed
	HALT	Halted

2.4. MBL and MBO Data *

The MBL book has a 10-level depth. The MBO book is full depth.

3. Closing Price

The closing price is the last trade price upon close, as provided by the exchange. If the instrument has an auction phase, the market sends the last auction price, which becomes the closing price. When a stock splits, the closing price is adjusted after the closing. The settlement price is handled when provided by the market.

4. Special Behavior

The following section describe the special behavior of the EURONEXT UTP market data stream:

- [4.1. Level1 Market Data Kinematics – Close](#)
- [4.2. Market News – ActionAffectingState](#)
- [4.3. Market News – RequestForSize](#)
- [4.4. Microsecond Timestamp Precision on Level1 Market Data.](#)

4.1. Level1 Market Data Kinematics – Close

In the Level1 Market Data Kinematics **before 2014-10-27**, the CLOSE signal and the Closing Price are being sent at the end of the Continuous Trading Phase, at 17:30 Paris Time, while the `DailyClosingPrice` is being updated at 17:35 Paris Time, as shown below (times expressed as UTC):

```
"TE (TradeEvent) : MARKET_TIME INSTRUMENT LAST_PRICE TRADE_QTY BID_PRICE BID_QTY ASK_PRICE
ASK_QTY *CONTENT_MASK* *FLAGS*"
"VU (ValuesUpdate) : SERVER_TIME INSTRUMENT VALUES..."
"SI (TradeEvent) *SIGNAL* : SERVER_TIME INSTRUMENT SIGNAL LAST_PRICE"

TE 15:29:59:065 170619665 * * 11.975 8915@5 * *
TE 15:29:59:072 170619665 * * * * 11.98 4529@7
SI 15:30:00:012 170619665 CLOSE 11.975
TE 15:30:00:012 170619665 11.975 * * * * * C
VU 15:30:00:012 170619665 MARKET_EURONEXT_ClassState=CLCA TradingStatus=15
VU 15:30:00:018 170619665 HighLimitPrice=12.69 LowLimitPrice=11.26
TE 15:30:00:018 170619665 * * AT_BEST 22142@1 * *
TE 15:30:00:018 170619665 * * AT_BEST 78142@2 * *
...
TE 15:35:00:141 170619665 11.97 649 * * * *
VU 15:35:00:142 170619665 DailyOpeningPrice=11.895
VU 15:35:00:142 170619665 DailyClosingPrice=11.97 MARKET_EURONEXT_ClassState=TAL
TradingStatus=17
VU 15:35:00:145 170619665 HighLimitPrice=12.33 LowLimitPrice=11.62
TE 15:37:00:691 170619665 * * * * 11.98 80596@13
TE 15:39:05:380 170619665 * * 11.975 5165@2 * *
VU 15:40:00:000 170619665 MARKET_EURONEXT_ClassState=LAMO TradingStatus=18
VU 15:40:00:001 170619665 HighLimitPrice=12.69 LowLimitPrice=11.26
```

* The MBL and MBO data may not be included by default in your Level1 data subscription, but sold separately. Depending on your contract, additional terms, conditions and fees may apply. For more details about the subscription options, please contact S&P Capital IQ Real-Time Solutions.

In the Level1 Market Data Kinematics **after 2014-10-27**, the CLOSE signal and the Closing Price are being sent after the Auction Phase, at 17:35 Paris Time. The `DailyClosingPrice` is no longer updated and equals the Closing Price, as shown in the example below (times expressed as UTC):

```
"TE (TradeEvent) : MARKET_TIME INSTRUMENT LAST_PRICE TRADE_QTY BID_PRICE BID_QTY ASK_PRICE
ASK_QTY *CONTENT_MASK* *FLAGS*"
"VU (ValuesUpdate) : SERVER_TIME INSTRUMENT VALUES..."
"SI (TradeEvent) *SIGNAL* : SERVER_TIME INSTRUMENT SIGNAL LAST_PRICE"

TE 15:29:59:036.840 170619665 * * * * 11.94 2900@7
TE 15:30:00:018.541 170619665 * * * * AT_BEST 325@1
TE 15:30:00:018.541 170619665 * * * * AT_BEST 18522@2
VU 15:30:00:013.127 170619665 MARKET_EURONEXT_ClassState=CLCA TradingStatus=15
VU 15:30:00:018.384 170619665 HighLimitPrice=12.65 LowLimitPrice=11.22
VU 15:30:00:036.060 170619665 LastAuctionPrice=11.91 LastAuctionVolume=30611
VU 15:30:00:130.998 170619665 LastAuctionVolume=25309
TE 15:30:01:005.902 170619665 * * 12.53 3401@1 * *
TE 15:30:02:008.489 170619665 * * AT_BEST 15900@1 * *
TE 15:30:02:009.031 170619665 * * AT_BEST 15941@2 * *
...
VU 15:35:00:138.835 170619665 HighLimitPrice=12.655 LowLimitPrice=11.225
SI 15:35:00:140.002 170619665 CLOSE 11.94
TE 15:35:00:140.002 170619665 11.94 * * * * * C
VU 15:35:00:140.002 170619665 InternalDailyClosingPriceType=d
MARKET_EURONEXT_ClassState=TAL TradingStatus=17
VU 15:35:00:142.943 170619665 HighLimitPrice=12.295 LowLimitPrice=11.585
...
TE 15:39:57:017.634 170619665 * * * * 11.94 19052@2
TE 15:39:57:040.728 170619665 * * * * 11.94 13565@1
VU 15:40:00:003.360 170619665 MARKET_EURONEXT_ClassState=LAMO TradingStatus=18
VU 15:40:00:003.383 170619665 HighLimitPrice=12.655 LowLimitPrice=11.225
```

4.2. Market News – ActionAffectingState

Each time an extraordinary event occurs, the values of the field **ActionAffectingState** conveyed on the EURONEXT UTP market data stream are disseminated via FeedOS data stream in the free flow of the *Market News* to describe the event that caused the change in the stock state:

- in the callback carrying the Level1 event `notif_MarketNews()`, for C++
- in the event handler `MarketNewsEventHandler`, for C#
- in the callback carrying the Level1 event `quotNotifMarketNewsEvent`, for Java.

FeedOS implementation of the field **ActionAffectingState** is described below:

Table 19 ActionAffectingState – technical implementation in FeedOS Market News

Component	Value	Description
Field Name	ActionAffectingState	Field name in the free flow of the FeedOS Market News.
Format	<i>[Exchange specific value]</i>	An exchange specific value , describing the event that caused the change in the stock state.

Table 19 ActionAffectingState – technical implementation in FeedOS Market News (Continued)

Component	Value	Description
Possible Values	0	Not applicable.
	B	Trading after knock-out period (beginning of the trading day)
	C	Trading on the instrument at the opening (sent before O)
	D	Cancelled programmed opening
	E	Instrument halted by Market Operations on knock-out
	I	Instrument halted by Issuer/LP on knock-out
	M	Instrument manually halted by Market Operations
	N	Instrument is being initialized (beginning of the trading day)
	O	Instrument opened
	P	Deferred programmed opening
	R	Automatic halting at the class auction
	T	Beginning of a trading after knock-out period
	Y	Beginning of a one side only period
	Z	End of a one side only period
	<Null> or <Space>	Indicates that the 'Order Entry' flag on an instrument has just changed.

Below is an example of the current implementation of the field ActionAffectingState:

```
MarketNews
  OrigMarketId      XPAR
  OrigUTCTime       2014-05-19 08:26:14:603
  Headline          StockStateChange
  Content XPAR@FR0011855550|FIXStatus=2|StartDateHalting=null|
  StartTimeHalting=null|ProgOpeningTime=null|OrderEntryRejection=N|
  InstrumentState=H|InstrumentTradingStatus=|HaltReason=R|
  ActionAffectingState=M|InstrumentStateTCS=|PeriodSize= |
  RelatedInstruments      81/1018249
```

4.3. Market News – RequestForSize

Each time the exchange sends a RequestForSize message, this is disseminated in the EURONEXT UTP market data stream in *Market News*:

- in the callback carrying the Level1 event `notif_MarketNews()`, for C++
- in the event handler `MarketNewsEventHandler`, for C#
- in the callback carrying the Level1 event `quotNotifMarketNewsEvent`, for Java.

Below is an example showing the RequestForSize message dissemination in the Market News:

```
"TE (TradeEvent) : MARKET_TIME INSTRUMENT LAST_PRICE TRADE_QTY BID_PRICE BID_QTY ASK_PRICE
ASK_QTY *CONTENT_MASK* *FLAGS*"
"VU (ValuesUpdate) : SERVER_TIME INSTRUMENT VALUES..."
"MN : MARKE NEWS"

MN null null XPAR Normal RequestForSize | SymbolIndex=22370 | RFSID=5 | Side=1 |
VolumeRequested=500000 related_instruments: 81/754144
```

4.4. Microsecond Timestamp Precision on Level1 Market Data

In the Level1 Market Data disseminated, the server timestamp displays microsecond units, as shown in the example below (highlighted in green):

TE	11:00:22:091.520	556597898	*	*	*	*	-121.42	1@1
TE	11:00:22:091.612	556597898	*	*	121.75	26@5	*	*
TE	11:00:22:091.612	556597898	*	*	*	*	6	942@39
TE	11:00:22:091.868	556597898	*	*	123.25	23@4	*	*

5. Finding the Latest Information

For the latest documentation and product updates, additional support and training, please contact our support services one of the following ways:

- E-mail: rts-support@spcapitaliq.com
- Web: <https://support.quanthouse.com>.