

S&P Capital IQ Real-Time Solutions

QuantFEED® Developer's Notice

OMX NORDIC FIXED INCOME & DERIVATIVES – Feed Update

Reference n°: 20600 – 20972 – 20140602

Effective as of: **09 June 2014**

Action required from users: **MANDATORY ACTION**



**S&P
CAPITAL IQ**

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S&P Capital IQ Real-Time Solutions (QuantHouse®) – QuantFEED®
QuantFEED® Developer's Notice
Reference 20600 – 20972 – 20140602
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UPDATE OF THE OMX NORDIC FIXED INCOME & DERIVATIVES MARKET DATA STREAMS

To reflect the changes caused by the dissemination of new values on the OMX NORDIC FIXED INCOME & DERIVATIVES market data streams, S&P Capital IQ Real-Time Solutions has decided to enhance the content of QuantFEED®.

This developer's notice contains late-breaking information about the implementation of this modification in your applications, which may not be included otherwise in the published documentation. The topics this notice covers include:

- [1. Update Summary](#)
- [2. Functional Description](#)
- [3. QuantFEED® Technical Implementation](#)
- [4. Finding the Latest Information.](#)

1. Update Summary

Table 1 Current update summary

| | |
|--------------------|---|
| Notice Reference | 20600 – 20972 – 20140602 |
| Exchanges | OMX NORDIC FIXED INCOME & DERIVATIVES |
| Concerned MICs | XCSE, XHEL, XSTO |
| Internal Source ID | 216 |
| Effective Date | 2014-06-09 |
| Impact | <ul style="list-style-type: none">• Update of the Referential Tags• Update of the Quotation Tags |
| Action required | MANDATORY ACTION |

2. Functional Description

Effective Monday, **June 09, 2014**, S&P Capital IQ Real-Time Solutions enhances the content of the referential and quotation data to accommodate the new information disseminated on the OMX NORDIC FIXED INCOME & DERIVATIVES market data streams, as described below:

- [2.1. Changes to the Referential Data](#)
- [2.2. Changes to the Quotation Data.](#)

2.1. Changes to the Referential Data

S&P Capital IQ Real-Time Solutions **updates** the values disseminated by the referential tags below to accommodate the information broadcast on the OMX NORDIC FIXED INCOME & DERIVATIVES market data streams:

Table 2 Referential tags added on the OMX NORDIC FIXED INCOME & DERIVATIVES market data streams

| Tag Name | Numeric ID | Type |
|--|------------|--------|
| CFICode (see page 4 and page 5) | 461 | String |

Below is an example of the current implementation of the updated (in **blue**) referential tags:

```
instr # 67/27814 = 140536998
  PriceCurrency      string{DKK}
  Symbol             string{DSV4G}
  Issuer             string{DSV}
  Description         string{DSV}
  SecurityType       string{FUT}
  StdMaturity        string{20140718}
  FOSMarketId        XCSE
  Factor             float64{100}
  CFICode            string{FFXPXX}
  RoundLot           float64{1}
  LotType            uint8{2}
  MaxTradeVol        float64{50000}
  SecurityGroup       string{FUTURE DELIVERABLE}
  MarketSegmentID    string{82}
  MarketSegmentDesc  string{DANISH STOCK}
  InternalCreationDate Timestamp{2014-04-17 16:57:21:373}
  InternalModificationDate Timestamp{2014-07-02 06:00:10:801}
  LocalCodeStr       string{DSV4G}
  ISIN               string{SE0005858545}
  UnderlyingLocalCodeStr string{DK0060079531}
  MaturityYear        uint16{2014}
  MaturityMonth        uint8{7}
  MaturityDay          uint8{18}
  PriceIncrement_dynamic_TableId uint32{100}
  OperatingMIC         string{XCSE}
```

2.2. Changes to the Quotation Data

S&P Capital IQ Real-Time Solutions **introduces** the quotation tags below to accommodate the information broadcast on the OMX NORDIC FIXED INCOME & DERIVATIVES market data streams:

Table 3 Quotation tags added on the OMX NORDIC FIXED INCOME & DERIVATIVES market data streams

| Tag Name | Numeric ID | Type |
|-------------------------------------|------------|-----------|
| SettlementPriceDate | 9380 | Timestamp |

Below is an example of the current implementation of the newly added (in **green**) quotation tags:

```
InstrumentStatusL1
-- 430/129455
    BID: 0.4      20
    ASK: 0 0      *NO ORDER*
    LastPrice      float64{0.4}
    LastTradeQty   float64{5}
    DailyHighPrice float64{0.4}
    DailyLowPrice  float64{0.4}
    DailyTotalVolumeTraded float64{10}
    DailyTotalAssetTraded float64{4}
    LastTradePrice float64{0.4}
    LastTradeTimestamp Timestamp{2014-07-02 07:14:48:333}
    InternalDailyOpenTimestamp Timestamp{2014-07-02 07:00:00:278}
    InternalDailyCloseTimestamp Timestamp{2014-07-02 12:56:39:123}
    InternalDailyHighTimestamp Timestamp{2014-07-02 07:14:34:427}
    InternalDailyLowTimestamp Timestamp{2014-07-02 07:14:34:427}
    InternalPriceActivityTimestamp Timestamp{2014-07-02 12:56:39:123}
    TradingStatus  18=NotAvailableForTrading
    DailyOpeningPrice float64{0.4}
    DailyClosingPrice float64{0.4}
    DailySettlementPrice float64{559.75}
    PreviousBusinessDay Timestamp{2014-07-01}
    CurrentBusinessDay Timestamp{2014-07-02}
    PreviousDailySettlementPrice float64{555}
    OpenInterest float64{3381}
    PriceActivityMarketTimestamp Timestamp{2014-07-02 12:56:39:118}
    SettlementPriceDate Timestamp{2014-07-02}
    MARKET_OMNET_OMX_TradingStateName string{EMPC}
```

3. QuantFEED® Technical Implementation

The following sections describe the technical implementation of the new or updated tags:

- [3.1. CFICode \(OMX NORDIC FIXED INCOME\)](#)
- [3.2. CFICode \(OMX NORDIC DERIVATIVES\)](#)
- [3.3. SettlementPriceDate.](#)

3.1. CFICode (OMX NORDIC FIXED INCOME)

The values of the referential tag **CFI Code** conveyed on the OMX NORDIC FIXED INCOME market data stream are disseminated via QuantFEED® data stream in *Referential* to specify the standardized identification code of an instrument.

QuantFEED® implementation of the new values available for the tag CFICode is described in the table below (existing values are in black, newly added values are in green):

Table 4 CFICode – technical implementation in QuantFEED®

| Component | Value | Description |
|-----------------|----------------------------------|--|
| Tag Name | CFICode | QuantFEED® tag name. |
| Numeric ID | 461 | QuantFEED® unique ID disseminated on 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 standardized identification code of an instrument, as detailed below. |
| Possible Values | DBXXXX | Debts - Bonds |
| | FFNCXX | Futures - Financial Futures - Interest Rates - Cash |
| | FXXCXX | Futures - Cash |
| | MMFXXX | Other Instruments - Other Assets - Forwards |
| | MRCXXX | Other Instruments - Referential Instruments - Currencies |
| | OCEXCX | Options - Call Options - European - Cash |

The following examples show the list of branches available the OMX NORDIC FIXED INCOME market data stream (FOSMarketID – SecurityType – CFICode combinations) before and after 2014-06-09:

Branches of the OMX NORDIC FIXED INCOME before 2014-06-09

```
BRANCHES
{ XCSE CASH DBXXXX } qty: 20
{ XCSE FUT  FXXCXX } qty: 9
{ XCSE GO   DBXXXX } qty: 2236
{ XHEL CASH DBXXXX } qty: 79
{ XHEL GO   DBXXXX } qty: 1033
{ XSTO CASH DBXXXX } qty: 491
{ XSTO FORWARD MMFXXX } qty: 83
{ XSTO FUT  FXXCXX } qty: 45
{ XSTO FUT  MMFXXX } qty: 96
{ XSTO GO   DBXXXX } qty: 5847
{ XSTO NONE MRCXXX } qty: 61
{ XSTO OPT  OCEXCX } qty: 1
```

Branches of the OMX NORDIC FIXED INCOME after 2014-06-09

BRANCHES

```
{ XCSE CASH DBXXXX } qty: 20
{ XCSE FUT  FFNCXX } qty: 6
{ XCSE FUT  FXXCXX } qty: 3
{ XCSE GO   DBXXXX } qty: 2269
{ XHEL CASH DBXXXX } qty: 79
{ XHEL GO   DBXXXX } qty: 1032
{ XSTO CASH DBXXXX } qty: 491
{ XSTO FORWARD      MMFXXX } qty: 83
{ XSTO FUT  FFNCXX } qty: 14
{ XSTO FUT  FXXCXX } qty: 31
{ XSTO FUT  MMFXXX } qty: 96
{ XSTO GO   DBXXXX } qty: 5832
{ XSTO NONE MRCXXX } qty: 61
{ XSTO OPT  OCEXCX } qty: 1
```

3.2. CFICode (OMX NORDIC DERIVATIVES)

The values of the referential tag **CFI Code** conveyed on the OMX NORDIC DERIVATIVES market data stream are disseminated via QuantFEED® data stream in *Referential* to specify the standardized identification code of an instrument.

QuantFEED® implementation of the new values available for the tag CFICode is described in the table below (existing values are in black and newly added values are in green):

Table 5 CFICode – technical implementation in QuantFEED®

| Component | Value | Description |
|-----------------|----------------------------------|--|
| Tag Name | CFICode | QuantFEED® tag name. |
| Numeric ID | 461 | QuantFEED® unique ID disseminated on 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 standardized identification code of an instrument, as detailed below. |
| Possible Values | DYXXXX | Debts - Money Market Instruments |
| | FCECXX | Futures - Commodities Futures - Extraction Resources - Cash |
| | FFICXX | Futures - Financial Futures - Indices - Cash |
| | FFNCXX | Futures - Financial Futures - Interest Rates - Cash |
| | FFSPXX | Futures - Financial Futures - Stock Equities - Physical |
| | FFXPXX | Futures - Financial Futures - Physical |
| | FXXCXX | Futures - Cash |
| | MMFXXX | Other Instruments - Other Assets - Forwards |
| | MMXXXX | Other Instruments - Other Assets |
| | OCANCX | Options - Call Options - American - Interest Rates - Cash |
| | OCASPX | Options - Call Options - American - Stock Equities - Physical |
| | OCEICX | Options - Call Options - European - Indices - Cash |
| | OCENCX | Options - Call Options - European - Interest Rates - Cash |
| | OCEXCX | Options - Call Options - European - Cash |

Table 5 CFICode – technical implementation in QuantFEED® (Continued)

| Component | Value | Description |
|-----------------|--------|--|
| Possible Values | OCXICX | Options - Call Options - Indices - Cash |
| | OCXSPX | Options - Call Options - Stock Equities - Physical |
| | OCXXCX | Options - Call Options - Cash |
| | OCXXPX | Options - Call Options - Physical |
| | OPANCX | Options - Put Options - American - Interest Rates - Cash |
| | OPASPX | Options - Put Options - American - Stock Equities - Physical |
| | OPEICX | Options - Put Options - European - Indices - Cash |
| | OPENCX | Options - Put Options - European - Interest Rates - Cash |
| | OPEXCX | Options - Put Options - European - Cash |
| | OPXICX | Options - Put Options - Indices - Cash |
| | OPXSPX | Options - Put Options - Stock Equities - Physical |
| | OPXXCX | Options - Put Options - Cash |
| | OPXXPX | Options - Put Options - Physical |

The following examples show the list of branches available the OMX NORDIC DERIVATIVES market data stream (FOSMarketID – SecurityType – CFICode combinations) before and after 2014-06-09:

Branches of the OMX NORDIC DERIVATIVES before 2014-06-09

BRANCHES

```

{ XCSE FUT      FFXPXX } qty: 258
{ XCSE FUT      FXXCXX } qty: 14
{ XCSE OPT      OCXXPX } qty: 2023
{ XCSE OPT      OPXXPX } qty: 2024
{ XCSE REPO     DYXXXX } qty: 198
{ XHEL FORWARD MMFXXX } qty: 164
{ XHEL OPT      OCXXPX } qty: 1010
{ XHEL OPT      OPXXPX } qty: 1006
{ XSTO FORWARD MMFXXX } qty: 755
{ XSTO FUT      FFICXX } qty: 33
{ XSTO FUT      FFXPXX } qty: 974
{ XSTO FUT      FXXCXX } qty: 385
{ XSTO FUT      MMFXXX } qty: 24
{ XSTO MLEG     MMXXXX } qty: 725
{ XSTO OPT      OCEICX } qty: 1313
{ XSTO OPT      OCEXCX } qty: 560
{ XSTO OPT      OCXICX } qty: 118
{ XSTO OPT      OCXXCX } qty: 155
{ XSTO OPT      OCXXPX } qty: 10955
{ XSTO OPT      OPEICX } qty: 1313
{ XSTO OPT      OPEXCX } qty: 556
{ XSTO OPT      OPXICX } qty: 118
{ XSTO OPT      OPXXCX } qty: 154
{ XSTO OPT      OPXXPX } qty: 10953
{ XSTO REPO     DYXXXX } qty: 1013

```


Branches of the OMX NORDIC DERIVATIVES after 2014-06-09

BRANCHES

```

{ XCSE FUT      FFNCXX } qty: 11
{ XCSE FUT      FFSPXX } qty: 160
{ XCSE FUT      FFXPXX } qty: 98
{ XCSE FUT      FXXCXX } qty: 3
{ XCSE OPT      OCASPX } qty: 1165
{ XCSE OPT      OCXXPX } qty: 847
{ XCSE OPT      OPASPX } qty: 1165
{ XCSE OPT      OPXXPX } qty: 848
{ XCSE REPO     DYXXXX } qty: 198
{ XHEL FORWARD MMFXXX } qty: 164
{ XHEL OPT      OCASPX } qty: 418
{ XHEL OPT      OCXXPX } qty: 586
{ XHEL OPT      OPASPX } qty: 418
{ XHEL OPT      OPXXPX } qty: 582
{ XSTO FORWARD MMFXXX } qty: 736
{ XSTO FUT      FCECXX } qty: 162
{ XSTO FUT      FFICXX } qty: 33
{ XSTO FUT      FFNCXX } qty: 13
{ XSTO FUT      FFSPXX } qty: 712
{ XSTO FUT      FFXPXX } qty: 262
{ XSTO FUT      FXXCXX } qty: 169
{ XSTO FUT      MMFXXX } qty: 24
{ XSTO MLEG     MMXXXX } qty: 725
{ XSTO OPT      OCANCX } qty: 119
{ XSTO OPT      OCASPX } qty: 5665
{ XSTO OPT      OCEICX } qty: 1288
{ XSTO OPT      OCENCX } qty: 64
{ XSTO OPT      OCEXCX } qty: 495
{ XSTO OPT      OCXICX } qty: 116
{ XSTO OPT      OCXSPX } qty: 220
{ XSTO OPT      OCXXCX } qty: 36
{ XSTO OPT      OCXXPX } qty: 5039
{ XSTO OPT      OPANCX } qty: 117
{ XSTO OPT      OPASPX } qty: 5664
{ XSTO OPT      OPEICX } qty: 1288
{ XSTO OPT      OPENCX } qty: 63
{ XSTO OPT      OPEXCX } qty: 492
{ XSTO OPT      OPXICX } qty: 116
{ XSTO OPT      OPXSPX } qty: 220
{ XSTO OPT      OPXXCX } qty: 37
{ XSTO OPT      OPXXPX } qty: 5038
{ XSTO REPO     DYXXXX } qty: 1001

```

3.3. SettlementPriceDate

The values of the quotation tag **SettlementPriceDate** conveyed on the OMX NORDIC FIXED INCOME & DERIVATIVES market data streams are disseminated via QuantFEED® data stream in *Other Values* to indicate the date of the settlement 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.

QuantFEED® implementation of the tag `SettlementPriceDate` is described in the following table:

Table 6 **SettlementPriceDate – technical implementation in QuantFEED®**

| Component | Value | Description |
|--------------------------|----------------------------------|--|
| Tag Name | SettlementPriceDate | QuantFEED® tag name. |
| Numeric ID | 9380 | QuantFEED® unique ID disseminated on 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 , indicating the date of the settlement price. |

4. Finding the Latest Information

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

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