QuantFEED® Developer's Notice

OSLO MIT, OSLO FAST & BURGUNDY – Referential Tags' Update

Reference n°: 20131120

Effective as of: 02 December 2013

Action required from users: Attention Required (Optional)



S&P Capital IQ's Real-Time Solutions (QuantHouse*) – QuantFEED* QuantFEED* Developer's Notice Reference 20131120 November 20, 2013

Corporate Headquarters

S&P Capital IQ's Real-Time Solutions (QuantHouse*) 52 Rue de la Victoire 75009 Paris France
Tel: +33 (0) 1 73 02 32 11

Tel: +33 (0) 1 73 02 32 11 Fax: +33 (0) 1 73 02 32 12

UK Office

10 Foster Lane London EC2V 6HR United Kingdom Tel: +44 (0) 203 107 1676

US Offices

55 Water Street, 44th floor New York, NY 10041 United States of America Tel: +1-(212)-438-4346 130 East Randolph One Prudential Plaza, Suite 2900 Chicago, IL 60601 United States of America Tel: +1-(312)-233-7129

www.quanthouse.com

Disclaimer for Technical Documents

QuantHouse* S.A.S. endeavors to include accurate and current information in its materials. However, QuantHouse* does not warrant the accuracy or completeness of the information contained herein. QuantHouse* may change such information at any time, but makes no commitment to update it.

References by QuantHouse* to products offered by third-parties do not constitute an endorsement by QuantHouse* of such products and should not be construed as an association with their owners.

YOUR USE OF THE INFORMATION HEREIN IS AT YOUR OWN RISK. SUCH INFORMATION IS PROVIDED ON AN "AS IS" BASIS. QUANTHOUSE" S.A.S. MAKES NO REPRESENTATION, UNDERTAKES NO OBLIGATION, AND PROVIDES NO WARRANTY OF ANY KIND WITH RESPECT TO THE INFORMATION CONTAINED HEREIN, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. IF YOU CHOOSE TO USE SUCH INFORMATION, YOU ARE ACKNOWLEDGING THAT YOU HAVE READ THIS DISCLAIMER, UNDERSTAND IT, AGREE TO ABIDE BY, AND BE BOUND BY, ITS PROVISIONS.

Use of the Information

The information constitutes proprietary material and is either owned by or licensed to QuantHouse*. Further, it is protected by intellectual property rights. No information may be used, reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise) or for any purpose, except as licensed expressly by QuantHouse* S.A.S.

Trademarks

QUANTHOUSE*, the QuantHouse* logo and product names are trademarks of QuantHouse* S.A.S. and QuantHouse* S.A.S. reserves all intellectual property rights with respect to the trademarks. All other trademarks are the trademarks of their respective owners.

Copyright

© Copyright 2004-2013 QuantHouse® S.A.S. All rights reserved.



To reflect the changes caused by the dissemination of new values on OSLO MIT, OSLO FAST and BURGUNDY markets, S&P Capital IQ's 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	20131120		
Exchanges	OSLO MIT OSLO FAST BURGUNDY		
Concerned MICs	XOSL, XOAM, XOAS, BURG		
Internal Source ID	65, 92, 141		
Effective Date	2013-12-02		
Impact	Update of the Referential Tags		
Action required	Attention Required (Optional)		

2. Functional Description

Effective Monday, **December 02, 2013**, S&P Capital IQ's Real-Time Solutions introduces two new referential tags – operatingMIC (**NumericID**: 9533, **Type**: String) and SegmentMIC (**NumericID**: 9534, **Type**: String) – to reflect OSLO MIT's, OSLO FAST's and BURGUNDY's adoption of the ISO 10383:2013 standard.

3. QuantFEED® Technical Implementation

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

3.1. Operating MIC and Segment MIC

The values of the referential tags **Operating MIC** and **Segment MIC** conveyed on OSLO MIT, OSLO FAST and BURGUNDY markets are disseminated via QuantFEED® in *Referential* to reflect exchange adoption of the ISO 10383:2012 standard. This new edition of the ISO standard refines the level of granularity on OSLO MIT, OSLO FAST and BURGUNDY markets, by introducing two levels of MIC codes – *operating* (parent-like) and *market segment* (child-like) MICs.

QuantFEED®'s implementation of the tags OperatingMIC and SegmentMIC is described in the following table:

Table 2 OperatingMIC and SegmentMIC – technical implementation in QuantFEED®

Component	Value		Description
Tag Name	OperatingMIC	SegmentMIC	QuantFEED® tag name.
Numeric ID	9533	9534	QuantFEED® unique ID disseminated on S&P Capital IQ's Real-Time Solutions's data stream. This is the numeric equivalent of the tag name.
Туре	String	String	String data type.
Format	[Exchange Specific Value]	[Exchange Specific Value]	An exchange specific value , specifying the parent and child MICs.
Possible Values	XOSL	BURG	BURGUNDY NORDIC MTF
		XOAM	NORDIC ALTERNATIVE BOND MARKET
		XOAS	OSLO AXESS

Below is an example of the current implementation of the newly added referential tag:

```
instr # 259/1000 = 543163368
     PriceCurrency
                                               string{DKK}
     Symbol 3
                                              string{FEIc}
                                              string{FormueEvolution 1}
     Issuer
                                              string{FormueEvolution 1}
     Description
    FOSMarketId BURG

CFICode string{ESXXXX}

CountryOfIssue string{DK}

RoundLot float64{1}

SecuritySubType string{SH}

SecurityGroup string{CMM}

InternalCreationDate Timestamp{2013-11-15 15:14:27:659}

InternalSourceId uint16{92}

LocalCodeStr string{1501085}
                                           string{CS}
     SecurityType
     LocalCodeStr
                                           string{1501085}
     ForeignFOSMarketId XCSE
ForeignMarketId string{XCSE}
ISIN
                                             string{DK0060120947}
     PriceIncrement_dynamic_TableId uint32{6488164}
     MBLLayersDesc string{0}
OperatingMIC string{XOSL}
SegmentMIC string{BURG}
     MARKET_LSE_NormalMarketSize float64{1}
     MARKET_LSE_SegmentCode string{CMM}
```

4. Finding the Latest Information

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

- E-mail: support@quanthouse.com
- Web: http://support.quanthouse.com.