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NEW PRODUCTS

NASDAQ OMX Nordic and Baltic markets

Nordic Derivatives TotalView ITCH

As previously announced on October 14th, 2011, NASDAQ OMX introduces an ITCH data feed for Nordic derivatives. The feed will display all levels of the order book, providing significantly more market insight than the current feed's 5 levels. In addition, the derivatives data comes directly from the trading system, with no holdback timers, making this the lowest-latency source for Nordic derivatives information. Besides increasing transparency for customers trading derivatives, the switch to the ITCH protocol is also a tangible testament to the efforts that NASDAQ OMX places in staying one step ahead and offering all trade types the information they need to make informed trading choices. Nordic Derivatives TotalView ITCH has the same format as the equities equivalent, offering customers' streamlined implementation.

Service Level	License Fee (per month)	Distributor Fee (per month)	Details
Nordic Derivatives TotalView-ITCH Non-Display	Dependant distributed product and if the data is used internally and/or externally	€1500 when used for trading under own MPID €300 all other non-display usage	Offers all price levels (Market-by-Order). Unlimited number of redundant sessions of derivatives market data for non-display purposes. Non-Display Usage is defined as accessing, processing, or consumption of the Information for a purpose other than in support of its display or distribution.
Nordic Derivatives TotalView-ITCH	€2,500	Dependant subscribed derivatives market data product	The right to source the distributed equity derivatives market data direct via Nordic Derivatives TotalView-ITCH.

For more information please see:

http://nordic.nasdaqomxtrader.com/marketdata/dataproducts/Nordic_Derivatives/

or contact datasales@nasdaqomx.com

PRODUCTS AND POLICIES

Company classification standard

NASDAQ OMX adopts ICB Company classification standard globally

NASDAQ OMX has decided to adopt the ICB (Industry Classification Benchmark) standard globally, effective as of February 1st, 2012. The NASDAQ OMX exchanges in Stockholm, Copenhagen, Helsinki, Reykjavik, Tallinn, Riga, and Vilnius will adopt ICB which is the current standard on the NASDAQ OMX exchanges in the US.

“As a result of this action, our listed companies can more effectively benchmark with global peers, a total of 75,000 securities, compared to 40,000 previously. It also enables us to create consistent and comprehensive global indexes, enabling individual and institutional investors to quickly, accurately, and objectively measure and invest in the market”, Jenny Rosberg, Senior Vice President Global Corporate Client Group at NASDAQ OMX says.

ICB is a widely used global standard for company classification, with four levels of granularity - industry, supersectors, sectors and subsectors. The transparent and comprehensive system is adopted by stock exchanges around the world, representing over 65 percent of the world’s market capitalisation. With over 75,000 securities across 73 countries, ICB provides extensive geographic reach, offering investors the widest choice, for the purposes of benchmarking, performance measurement or research/analysis. The ICB standard is maintained by the FTSE Group.

All NASDAQ OMX local and regional sector indexes, based on the GICS structure, will be discontinued as of February 1st, 2012, and replaced by equivalent indexes based on the ICB structure, including more than 10 years of historical data.

All selected indexes, such as the Benchmark-series and Tradable Sectors, will have their selection methods revised early 2012. The revised rules will be made effective in connection to the mid-year reviews in June, 2012.

More information on: www.nasdaqomx.com/classificationchanges

Market Data

The ICB standard will replace the current GICS standard in the NASDAQ OMX Nordic & Baltic market data products. This will affect specifications and data content in both files and data feeds. The change of classification standard will also affect the Nordic & Baltic sector index content where new indexes will be added and obsolete indexes will be removed.

Please note that classification data provided by NASDAQ OMX are only for internal usage just as with the current GICS classifications. Clients are responsible for obtaining and maintaining any licenses, consents or permits required by the classification provider for other usage, for example re-distribution of this data. The Industry Classification Benchmark (ICB) is maintained by FTSE International Limited. Contact FTSE client services London: +44 (0) 20 7866 1810 or info@ftse.com

Index data

All NASDAQ OMX local and regional sector indexes, based on the GICS structure, will be discontinued as of February 1st, 2012, and replaced by equivalent indexes based on the ICB structure, including more than 10 years of historical data. Please find enclosed list with new and old affected indexes. The naming convention used for the new indexes is similar to the current sector indexes, but the sector codes used in the index names will be based on ICB instead of GICS.

Q&A

When will it happen?

The new classification will be implemented effective February 1st, 2012.

Who's behind ICB?

The Industry Classification Benchmark (ICB) is maintained by FTSE International Limited.
FTSE client services London +44 (0) 20 7866 1810 or info@ftse.com

Will all the listed companies have to change?

Yes, this change has an impact across all Nordic and Baltic equity exchanges/markets operated by NASDAQ OMX:

- NASDAQ OMX Copenhagen
- NASDAQ OMX Helsinki
- NASDAQ OMX Iceland
- NASDAQ OMX Riga
- NASDAQ OMX Stockholm
- NASDAQ OMX Tallinn
- NASDAQ OMX Vilnius
- First North – (Copenhagen, Helsinki, Iceland, Riga, Stockholm, Tallinn and Vilnius)

How does this affect the indexes?

NASDAQ OMX Global Index Group will launch a new suite of local and regional sector indexes based on the ICB structure, as of February 1st, 2012. These indexes will have more than 10 years of historical data.

The current local and regional sector indexes will be terminated after the implementation of ICB as a classification standard.

Any other index that has a selection process that considers GICS will have its methodology updated in due time. As an example, the Benchmark indexes will be reviewed and rebalanced based on the current methodology (with GICS) in December 2011. An updated methodology (with ICB) will be made public in due time prior to the next ordinary semi-annual revision effective in June. Changes in the methodologies are communicated through public index notices and through Global Index Watch.

Will the introduction of ICB require changes to Genium Consolidated Feed and the TIP protocol?

Yes, the TIP protocol for Genium Consolidated Feed will be updated on naming and description level in relation to the migration from GICS to ICB standard. The updates will be presented in an errata document. No changes to TIP tags are required.

Will the files in File Delivery Service be impacted?

Yes, the main change will be that the field GICS will change name to ICB and be populated by a 4-digit ICB –code. The old index files based on GICS will be discontinued and new index files based on ICB will be introduced.

I want to know more about these changes. Where can I get more information, who can I speak to?

Please contact Global Data Products: dataproductions@nasdaqomx.com

If you have specific question regarding indexes, please contact NASDAQ OMX Nordic Index Operations, +46 8 405 6296 or index@nasdaqomx.com

NASDAQ OMX NORDIC & BALTIC EXCHANGES

Index

NASDAQ OMX to disseminate the VINX30 Expiration Index

On November 21st, 2011 NASDAQ OMX will begin disseminating a new index.

The VINX30 Expiration Index is a free float market capitalization weighted equity index that is calculated daily between 15:00 and 16:00 CET. The calculations are based on Volume Weighted Average Prices (VWAP).

The new index will be added to the VINX products and index values will be disseminated once a second in GCF. Weight reports will not be made available. GCF ID will be presented when available

Code	Name	Source ID	GCF ID	ISIN	Source
VINX30EXP	VINX 30 Expiration	1580	TBA	SE0004297042	ICS_INDEX (ID:6)

MARKET DATA SYSTEMS TECHNICAL FUNCTIONALITY

Genium Consolidated Feed

New opening time for Genium Consolidated Feed (GCF) production environment

From December 5th, 2011 GCF Production System will open for reference data download 15 minutes earlier than it currently does. GCF Production DDSs will be available at 06:30 CET instead of 06:45 CET.

Genium Consolidated Feed TIP 2.4.0 on November 28th, 2011

The next release of Genium Consolidated Feed version 2.4.0 will be in GCF production environment on November 28th, 2011.

Equilibrium Price from Genium INET

With the introduction of GCF version 2.4 the equilibrium price in connection with the auction in the derivatives market will be part of the feed.

Orderbook flush in MarketState

For source 2 – Genium INET, at a special situation (e.g. re-start during the day or late start up) all orderbooks in this source have to be cleared of all orders. This is currently performed by sending an orderbook flush for each and every orderbook from the Genium INET system. In TIP 2.4.0 the *OrderbookFlush* field has been added to the *MarketState* message.

Instead of sending orderbook flush for every individual orderbook a *MarketState* messages for each market will be sent with the orderbook flush field set to indicate that all orders on all orderbooks in that market must be cleared. A TIP test file for this situation is now available on request. (DataProducts@nasdaqomx.com)

InstrumentStatistic

An *OrderbookFlush* field has been added to the *InstrumentStatistics* message (INs). This will be used if all trades have been deleted in a specific orderbook. The *InstrumentStatistics* message will also compared to TIP version 2.3 provide public information in *AllTradesVolume* and *AllTradesTurnover*.

A TIP test file is available on request. (DataProducts@nasdaqomx.com)

Launch weekend – upgrade to GENIUM Consolidated Feed 2.4.0 on November 28th, 2011

Friday November 28th

Genium Consolidated Feed with TIP version 2.3 will close down as normally at 23:00 CET and the upgrade of the production system to version 2.4.0 will start. Consequently GCF will not be available.

Saturday November 26th and Sunday November 27th

GCF is closed and will not be available.

Monday November 28th

GCF will be ready for basic data load at 06:45 CET.

A full basic data load on Monday morning is recommend.

ICB Company classification standard in GCF

In relation to the introduction of ICB data in GCF there will be a erratas made to the TIP 2.4.0 document. The changes are only affecting naming of fields (not tags) and descriptions and are related to the messages for sector data and the use of the term "GICS".

The Afeed message 19.2. *AfeedGicCode (AGIc)* will not be populated from February 1st, 2011. The following two messages in TIP version 2.4.0 will be affected on field name and description level:

13.3. BasicDataSector			
Field name	Key Tag	Type Length	Description
SectorCode	SGs	10	The code for the sector.

18.2. IndexConstituentWtEquity			
Field name	Key Tag	Type Length	Description
SectorCode	ACOd	8	Unique code of classification of the share's affiliation.

The ICB classification reference data will represent two levels of the total four available for the classification of listed companies. The same structure that is used for the current GICS standard will be used to distribute the two levels of ICB classification. The difference is that the securities will be connected to the second level compared to current connection to the fourth level.

All NASDAQ OMX local and regional sector indexes included in the Nordic Equity products and VINX products, based on the GICS structure, will be discontinued as of February 1st, 2012, and replaced by equivalent indexes based on the ICB structure. Please find enclosed list with affected indexes. New source ID- and GCF ID-codes for these new sector indexes will be presented when available. These are preliminary dates for the introduction of new indexes:

- **December 5th, 2011** - Basic Data for the new indexes available in GCF production environment
- **January 9th, 2012** - Parallell dissemination of index updates for all new indexes in GCF.

Release Schedule

2011

NOVEMBER	
date	product/system
November 14th	Launch of UK Natural Gas futures
<p>NASDAQ OMX Commodities Europe will launch a new market in Genium Consolidated Feed: UK Natural Gas futures. The group of instruments on the UK Natural Gas futures market includes daily, weekly, monthly, quarterly and seasonal delivery periods.</p> <p>Affected systems: GCF, FDS</p>	
November 14th	Launch of Nordic Derivatives TotalView ITCH
<p>On November 14, 2011, NASDAQ OMX introduces an ITCH data feed for Nordic derivatives. The feed will display all levels of the order book, providing significantly more market insight than the current feed's 5 levels. In addition, the derivatives data comes directly from the trading system, with no holdback timers, making this the lowest-latency source for Nordic derivatives information.</p>	
November 28th	Genium Consolidated Feed TIP 2.4.0
<p>The next release of Genium Consolidated Feed version 2.4.0 will be in GCF production environment on November 28th, 2011. The TIP 2.4.0 specification is available on Genium Consolidated feed web page.</p> <p>Affected systems: GCF, FDS</p>	

2012

FEBRUARY	
date	product/system
February 1st	Introduction of ICB standards
<p>NASDAQ OMX has decided to adopt the ICB (Industry Classification Benchmark) standard globally, effective as of February 1st, 2012. The NASDAQ OMX exchanges in Stockholm, Copenhagen, Helsinki, Reykjavik, Tallinn, Riga, and Vilnius will adopt ICB which is the current standard on the NASDAQ OMX exchanges in the US.</p> <p>Affected systems: GCF, FDS, GIW, GIDS</p>	
MARCH	
date	product/system
March 5th	NASDAQ OMX Commodities Genium INET migration
<p>The go-live date for the NASDAQ OMX Commodities Genium INET migration has been postponed to March 5th, 2012, from the previously announced November 28th, 2011.</p> <p>Affected systems: GCF, FDS</p>	

System environments

Genium Consolidated Feed production environment

GCF		Source Systems			
Application version	TIP version	Equities and related	Fixed Income	Derivatives/Commodities	Index
2.3.1	2.3.0	<ul style="list-style-type: none"> • INET (ITCH version: 1.85) 	<ul style="list-style-type: none"> • Genium INET 	<ul style="list-style-type: none"> • Genium INET • Nord Pool 	<ul style="list-style-type: none"> • ICS • ICS_INDEX • ICS_INDEX2 • ICS_FI

Genium Consolidated Feed test environments

GCF Environment			Source Systems			
	Ver.	TIP	Equities and related	Fixed Income	Derivatives	Index
GCF2	2.4.0	2.4.0	<ul style="list-style-type: none"> • INET Production (ITCH version: 1.85) 	<ul style="list-style-type: none"> • Genium INET Prod. 	<ul style="list-style-type: none"> • Genium INET test 2 • Nord Pool test (CLICK source) 	<ul style="list-style-type: none"> • ICS - test systems
GCF3	2.4.0	2.4.0	<ul style="list-style-type: none"> • INET Production (ITCH version: 1.85) 	<ul style="list-style-type: none"> • Genium INET test 4 	<ul style="list-style-type: none"> • Genium INET test 4 (containing Nordpool data for Genium INET) 	<ul style="list-style-type: none"> • ICS - production-like data • ICS_INDEX - prod.-like data • ICS_INDEX2 - prod.-like data • ICS_FI - production-like data
GCF4	2.4.0	2.4.0	<ul style="list-style-type: none"> • INET OTF/test (ITCH version: 1.85) 	<ul style="list-style-type: none"> • Genium INET test 3 	<ul style="list-style-type: none"> • Genium INET test 3 • Nord Pool prod 	<ul style="list-style-type: none"> • ICS - test systems

- On Tuesday, November 8th 14:00 – ~14:30 CET, NASDAQ OMX will perform tests on halt and opening markets in INET Test Environment (OTF)/GCF4.
- Service window in **GCF2** test system every Thursday between 09:00 and 12:00 CET.
- Service window in **GCF3** test system every Wednesday between 09:00 and 14:00 CET. During the service windows the GCF test systems may be inaccessible.

Genium Consolidated Feed Connectivity

	SITE A - IP & Port		SITE B - IP & Port	
	IP Address	DDS Port	IP Address	DDS Port
GCF Production	192.176.3.132	29900	192.176.3.164	29900
GCF2	192.176.3.133	29100	192.176.3.165	29100
GCF3	192.176.3.165	29200	N/A (single site)	
GCF4	192.176.3.133	29300	N/A (single site)	

GLOBAL DATA PRODUCTS

NASDAQ OMX Nordic Market Data news subscription

Nordic subscription service for Market Data

The subscription service for NASDAQ OMX Nordic now also offers the possibility to subscribe for Nordic and Baltic Market Data information. The distribution of Global Data Products Nordic weekly newsletter to the *Genium Consolidated Feed Technical Contacts list* is migrated to this **subscription service** and to continue to receive this newsletter you will have to sign-up and select the market data information on categories: Market Data and IT-information.

Information from Global Data Products Nordic is now distributed to subscribers via the online subscription tools on NASDAQ OMX Nordic and U.S Trader web sites.

- **Market Data - Product Information**

Information about Nordic and Baltic Market Data products and product setup

- **Global Data Products - Nordic Weekly Newsletter**

Consolidated Nordic and Baltic market data news

- **IT Information - Market Data**

Technical information regarding market data systems.

- **System Disturbances**

Information about system disturbances on NASDAQ OMX Nordic and Baltic trading and market data systems.

Subscription to Nordic Global Data Products Newsletter and Nordic market data information:

<http://www.nasdaqomxnordic.com/News/marketnotices/Subscribe>

Global Data Products Nordic Weekly Newsletters are also available **here**:

<http://nordic.nasdaqomxtrader.com/marketdata/news/>

Contact Information

For more information from NASDAQ OMX Global Data Products, please visit:

<http://nordic.nasdaqomxtrader.com/marketdata/>

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