

NASDAQ OMX Release Schedule –

U.S. Equity and Derivative Market Data Products

4th Quarter 2009

Week of October 5	<p><u>Releases:</u></p> <ul style="list-style-type: none"> • Monday, October 5: Launch of OMX Oslo 20 Expiration PI Index on GIDS <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-31 • Monday, October 5: Launch of Two New OMX Stockholm 30 Indexes on GIDS <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-34
Week of October 12	<p><u>Release:</u></p> <ul style="list-style-type: none"> • Wednesday, October 14: Discontinuation of Two NASDAQ OMX Ireland Indexes on GIDS <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-36
Week of October 19	<p><u>Meeting:</u></p> <ul style="list-style-type: none"> • Wednesday, October 28: NASDAQ OMX Global Data Products in-person meeting and party
Week of October 26	<p><u>Releases:</u></p> <ul style="list-style-type: none"> • Friday, October 30: New data elements added to the NASDAQ Daily List <ul style="list-style-type: none"> ○ Release highlights: <ul style="list-style-type: none"> ▪ New data element added to the Equity Data (CUSIP version) to provide the former CUSIP number when there has been a corporate action affecting the CUSIP. ▪ New data elements added to the Dividend and Next Day Ex-Date data sets: <ul style="list-style-type: none"> • Rights Basis Notes • Rights Exercise Price Amount • Rights Expiration Date ○ Reference: Data Technical News #2009-34 <p><u>Miscellaneous Event:</u></p> <ul style="list-style-type: none"> • Sunday: November 1: U.S. Daylight Savings Time Ends
Week of November 2	
Week of November 9	<p><u>Release:</u></p> <ul style="list-style-type: none"> • Monday, November 10: Launch of NASDAQ OMX Russia 15 Index on GIDS <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-37
Week of November 16	<p><u>Releases:</u></p> <ul style="list-style-type: none"> • Monday, November 16: MFQS Reporting Session Change <ul style="list-style-type: none"> ○ Data Feed Impacted: MFDS ○ Release highlights: <ul style="list-style-type: none"> ▪ MFQS / MFDS single reporting session to run from 9:00 a.m. to 8:00 p.m., ET, without interruption ▪ MFDS to support three summary spins at 6:05 p.m., 6:25 p.m., and 8:00 p.m., ET ○ Reference: Data Technical News #2009-23

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	<ul style="list-style-type: none"> • Tuesday, November 17: Launch of First Trust Clean Edge Smart Grid Infrastructure Index Fund <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-43 • Wednesday, November 18: Launch of NASDAQ-100 Leveraged Index on GIDS <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-38 • Thursday, November 19: Launch of Three NASDAQ OMX Valuegard Indexes on GIDS <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-39 • Thursday, November 19: Launch of New OMXRX All Index and Rebranding of Existing NASDAQ OMX Swedish Fixed Income Indexes on GIDS <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-40 • Friday, November 20: Discontinuation of the NASDAQ Biotechnology Equal Weighted Index on GIDS <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-42 • Friday, November 20: Launch of iShares India Nifty 50 Index Fund <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-44
Week of November 23	<p><u>Market Holiday:</u></p> <ul style="list-style-type: none"> • Thursday, November 26: Thanksgiving <p><u>Early Market Close:</u></p> <ul style="list-style-type: none"> • Friday, November 27: U.S. Markets Close Three Hours Early <p><u>Release:</u></p> <ul style="list-style-type: none"> • Tuesday, November 17: Launch of Seven New Vanguard Exchange Traded Funds <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-45
Week of November 30	<p><u>Product Retirement:</u></p> <ul style="list-style-type: none"> • Monday, November 30: NASDAQ and BX TotalView-ITCH “f” feeds Retirement <ul style="list-style-type: none"> ○ Data Feeds Impacted: NASDAQ TotalView-ITCH 4.0f, NASDAQ TotalView-ITCH 3.1f, BX TotalView-ITCH 4.0f BX TotalView-ITCH 3.1f products, NASDAQ GLIMPSE 4.0f and NASDAQ GLIMPSE 3.1f. ○ Reference: Data News #2009-36, ETA #2009-61

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<p>Week of November 30 (continued)</p>	<p><u>Meeting:</u></p> <ul style="list-style-type: none"> • Tuesday, December 1: NASDAQ OMX Global Data Products monthly conference call <p><u>New Product Launch:</u></p> <ul style="list-style-type: none"> • Thursday, December 3: NASDAQ OMX Officially Launches BX Basic <ul style="list-style-type: none"> ○ Release highlights: <ul style="list-style-type: none"> ▪ BX Basic is a new market data entitlement that features the BX best bid and offer quotation and last sale data for the full range of US exchange-listed equities. ▪ To create BX Basic, firms may process the BX Best Bid and Offer (BX BBO) and BX Last Sale (BLS) data feeds. ▪ For more information on how to create BX BBO portion of the data entitlement using other BX proprietary feeds, please contact your account manager. ○ Reference: Data News #2009-43
<p>Week of December 7</p>	<p><u>Release:</u></p> <ul style="list-style-type: none"> • Monday, December 7: Revised Originator ID codes on NASDAQ OMX Global Index Dissemination Service (GIDS) for select European Indexes <ul style="list-style-type: none"> ○ Reference: Data Technical News #2009-54 • Monday, December 7: Launch of OMX All-Share Cap GI Index on GIDS <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-46
<p>Week of December 14</p>	<p><u>Releases:</u></p> <ul style="list-style-type: none"> • Monday, December 14: New IP Channel Configuration and New Alphabetic Split for Top of PHLX Orders (TOPO) and PHLX Orders data feeds <ul style="list-style-type: none"> ○ Release highlights: <ul style="list-style-type: none"> ▪ NASDAQ OMX to add one IP multicast channel for TOPO and PHLX Order feeds for each data center configuration ▪ NASDAQ OMX to revise the alpha split configuration for TOPO and PHLX Order feeds across all IP channels ○ Reference: Data Technical News #2009-52 • Monday, December 14: NASDAQ SIP Technology Release For New UTP Participant Codes <ul style="list-style-type: none"> ○ Release highlights: ○ NASDAQ SIP will release code to support the new UTP participant codes for BATS-Y Exchange (Code “Y”), EDGA Exchange (Code “J”) and EDGX Exchange (Code “K”) on UTP Quotation Data Feed (UQDF) and UTP Trade Data Feed (UTDF) ○ While the NASDAQ SIP will be technologically capable of supporting the new UTP participant codes on December

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	<p>14th, it is dependent on the exchanges' input to generate the values in production</p> <ul style="list-style-type: none">○ Reference: UTP Vendor Alert #2009-10• Monday, December 7: Launch of Three New Nordic Indexes on GIDS<ul style="list-style-type: none">○ Reference: Financial Product News #2009-48
Week of December 21	<p><u>Market Holiday:</u></p> <ul style="list-style-type: none">• Friday, December 25: Christmas <p><u>Early Market Close:</u></p> <ul style="list-style-type: none">• Thursday, December 24: U.S. Markets Close Three Hours Early <p><u>Release:</u></p> <ul style="list-style-type: none">• Tuesday, December 22: Launch of PHLX Semiconductor Sector Total Returns Index on GIDS<ul style="list-style-type: none">○ Reference: Financial Product News #2009-50
Week of December 28	<p><u>Market Holiday:</u></p> <ul style="list-style-type: none">• Friday, January 1, 2010: New Year's Day <p><u>Release:</u></p> <ul style="list-style-type: none">• Tuesday, December 29: Launch of Remium SmallCap Index Sweden on GIDS<ul style="list-style-type: none">○ Reference: Financial Product News #2009-55• Thursday, December 31: Discontinuation of PHLX Retail Sector Index and PHLX Sports Sector Index on GIDS<ul style="list-style-type: none">○ Reference: Financial Product News #2009-49

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1st Quarter 2010

<p>Week of January 4, 2010</p>	<p><u>Releases:</u></p> <ul style="list-style-type: none"> • Monday, January 4: New Bandwidth Recommendations for Select NASDAQ OMX Proprietary Feeds <ul style="list-style-type: none"> ○ NASDAQ OMX increases the bandwidth requirements for the following feeds: <ul style="list-style-type: none"> ▪ NASDAQ Basic / NASDAQ Best Bid and Offer (QBBO) – 45 Mb ▪ NASDAQ Last Sale (NLS) – 15 Mb ▪ BX TotalView-ITCH 4.0 – 18 Mb ▪ BX TotalView-ITCH 3.1 – 22 Mb ▪ NASDAQ OMX Global Index Dissemination Service (GIDS) – 2 Mb ▪ Best of NASDAQ Options (BONO) - 38 Mb ○ Reference: Data Technical News #2009-51 • Monday, January 4: NOII files on Historical TotalView-ITCH <ul style="list-style-type: none"> ○ Addition of NOII data file option to Historical <u>NASDAQ TotalView-ITCH</u> product ○ No change to existing Historical TotalView-ITCH files ○ Reference: Data Technical News #2009-59 <p><u>New Product Launch:</u></p> <ul style="list-style-type: none"> • Friday, January 8: Introduction of BX GLIMPSE – A New Retransmission Facility for BX TotalView-ITCH Subscribers <ul style="list-style-type: none"> ○ Data feeds impacted: BX TotalView-ITCH 3.1 and BX TotalView-ITCH 4.0 ○ Release highlights: <ul style="list-style-type: none"> ▪ BX GLIMPSE is an optional add-on service ▪ BX GLIMPSE offers BX TotalView-ITCH data feed subscribers the ability to request a current state of the book at any point during the trading day ▪ BX GLIMPSE 3.1 uses the same Add Order message formats as BX TotalView-ITCH 3.1 ▪ BX GLIMPSE 4.0 uses the same formats as BX TotalView-ITCH 4.0 ○ Reference: Data News #2010-01
<p>Week of January 11</p>	<p><u>Meeting:</u></p> <ul style="list-style-type: none"> • Tuesday, January 12: NASDAQ OMX Global Data Products monthly conference call <p><u>Releases:</u></p> <ul style="list-style-type: none"> • Monday, January 11: New Sale Condition Values on Top of PHLX Options (TOPO) data feed <ul style="list-style-type: none"> ○ NASDAQ OMX modifies PHLX sale condition values to match OPRA feed ○ Reference: Data Technical News #2009-57 • Monday, January 11: Russell Global Indexes to be added to NASDAQ OMX Global Index Dissemination Service (GIDS) product <ul style="list-style-type: none"> ○ NASDAQ to begin dissemination of intraday index values for 17 Russell Global Indexes via GIDS

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	<ul style="list-style-type: none"> ○ Reference: Financial Products News #2009-54 ● Monday, January 11: Addition of Two NASDAQ-100 Currency Hedged CAD Indexes to GIDS <ul style="list-style-type: none"> ○ Reference: Financial Product News #2009-57
Week of January 18	<p><u>Market Holiday:</u></p> <ul style="list-style-type: none"> ● Monday, January 18: Martin Luther King, Jr.'s Birthday <p><u>Release:</u></p> <ul style="list-style-type: none"> ● Tuesday, January 19: Minor NASDAQ Last Sale (NLS) and BX Last Sale (BLS) Release <ul style="list-style-type: none"> ○ NASDAQ OMX introduces new Security Class codes to delineate between NYSE and NYSE Amex listed issues ○ NASDAQ OMX modifies the Sale Condition Modifier for Odd Lot transactions to use a lower case "o" to avoid conflict with other codes ○ Reference: Data Technical News #2009-64
Week of January 18	<p><u>New Product Launch:</u></p> <ul style="list-style-type: none"> ● Tuesday, January 19: Launch of NASDAQ Trades FilterView and TRF Trades FilterView data feeds <ul style="list-style-type: none"> ○ NASDAQ releases two filtered versions of the NASDAQ Last Sale (NLS) data feed <ul style="list-style-type: none"> ▪ NASDAQ Trades FilterView carries trade executions from NASDAQ Execution System for NASDAQ-, NYSE- and NYSE Amex-listed issues ▪ TRF Trades FilterView carries trade executions from the FINRA/NASDAQ Trade Reporting Facility (TRF) system for NASDAQ-, NYSE- and NYSE Amex-listed issues ○ New feeds are subject to FilterView distributor fees as well as NLS distributor fees ○ Reference: Data News #2009-46
Week of January 25	
Week of February 1	
Week of February 8	<p><u>Major Market Initiative / Release:</u></p> <ul style="list-style-type: none"> ● Friday, February 12: Options Symbology Initiative (OSI) Milestone <ul style="list-style-type: none"> ○ Old OPRA codes no longer supported ○ Firms must cut-over to OSI compliant versions of Best of NASDAQ Options (BONO), NASDAQ Options Depth at Price (DAP), ITCH To Trade Options (ITTO) and NASDAQ Options NOIView data feeds ○ References: Data Technical News #2009-62 and Symbology FAQ document
Week of February 15	<p><u>Market Holiday:</u></p> <ul style="list-style-type: none"> ● Monday, February 15: President's Day
Week of February 22	
Week of March 1	<p><u>Major Market Initiative / Release:</u></p> <ul style="list-style-type: none"> ● Week of March 1: Equity Symbology-Compliant Versions of Impacted Data Feeds Released <ul style="list-style-type: none"> ○ New versions of the data feed specifications impacted by the equity symbology initiative available to accommodate

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	<p>symbol sizes of up to 8 characters exclusive of any suffix symbols.</p> <ul style="list-style-type: none"> ○ Distributors that process NYSE-listed data must transition to the new versions of the NASDAQ and BX data feed formats on or before Monday, May 3, 2010 ○ References: Data Technical News #2010-01 and Data Technical News #2010-03
Week of March 8	
Week of March 15	
Week of March 22	
Week of March 29	<p><u>Market Holiday:</u></p> <ul style="list-style-type: none"> • Friday, April 2: Good Friday

2nd Quarter 2010

Week of April 5	
Week of April 12	
Week of April 19	<p><u>Release:</u></p> <ul style="list-style-type: none"> • Monday, April 19: Enhancements to Global Index Watch (GIW) Secure Web Service for premier subscribers. <ul style="list-style-type: none"> ○ Includes: added functionality to specify Start of Day (SOD) or End of Day (EOD) information, the new Index Dividend Point (IDP) and modifications to the authentication protocols required to access the service ○ All current GIW Secure Web Service subscribers are requested to migrate to the new release by Friday, July 9, 2010.
Week of April 26	
Week of May 3	<p><u>Data Feed Migration:</u></p> <ul style="list-style-type: none"> • Monday, May 3: Recommended Migration Date for Data Feed Changes for Equity Symbology Initiative <ul style="list-style-type: none"> ○ Only symbology-compliant data feeds will carry US equity symbols up to 8 characters. ○ Distributors that process NYSE-listed data must transition to the new versions of the NASDAQ and BX data feed formats on or before Monday, May 3, 2010. ○ References: Data Technical News #2010-01 and Data Technical News #2010-03
Week of May 10	<p><u>Release:</u></p> <ul style="list-style-type: none"> • Monday, May 10: Modification to Index Participation Field in the NASDAQ Daily List and Fundamental Data Reports <ul style="list-style-type: none"> ○ Modify the index participation information to be consistent with NASDAQ OMX's global index service offerings, Global Index Data ServiceSM (GIDSSM) and Global Index Watch (GIW). ○ Provide subscribing customers the most accurate and complete list of NASDAQ OMX indexes in which an equity

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	<ul style="list-style-type: none"> security participates <ul style="list-style-type: none"> o Reference: Data Technical News #2010-10
Week of May 17	<u>Bandwidth Increase Announced:</u> <ul style="list-style-type: none"> • Monday, May 17, 2010 announced UTP Trade Data Feed Bandwidth increase set for August 2010.
Week of May 24	
Week of May 31	<u>Market Holiday:</u> <ul style="list-style-type: none"> • Monday, May 31: Memorial Day <u>Release:</u> <ul style="list-style-type: none"> • Tuesday, June 1: Launch RussellTick data feed <ul style="list-style-type: none"> o Reference: Financial Product News #2010-10
Week of June 7	
Week of June 14	
Week of June 21	
Week of June 28	

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3rd Quarter 2010

Week of July 5	<u>Market Holiday:</u> <ul style="list-style-type: none"> • Monday, July 5: Independence Day (Observed)
Week of July 12	
Week of July 19	
Week of July 26	
Week of August 2	
Week of August 9	
Week of August 16	<u>Release:</u> <ul style="list-style-type: none"> • Monday, August 16, 2010: UTP Trade Data Feed (UTDF) bandwidth increase <ul style="list-style-type: none"> ○ Reference: UTP Data News 2010-5
Week of August 23	
Week of August 30	
Week of September 6	<u>Market Holiday:</u> <ul style="list-style-type: none"> • Monday, September 6: Labor Day
Week of September 13	
Week of September 20	
Week of September 27	<u>Data Feed Retirement:</u> <ul style="list-style-type: none"> • Thursday, September 30, 2010: NASDAQ Index Dissemination Service (NIDS) retired <ul style="list-style-type: none"> ○ References: Data News #2010-005

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4th Quarter 2010

Week of October 4	
Week of October 11	
Week of October 18	
Week of October 25	
Week of November 1	
Week of November 8	
Week of November 15	
Week of November 22	<u>Market Holiday:</u> <ul style="list-style-type: none"> • Thursday, November 25: Thanksgiving
Week of November 29	
Week of December 6	
Week of December 13	
Week of December 20	<u>Market Holiday:</u> <ul style="list-style-type: none"> • Friday, December 24: Christmas (Observed)
Week of December 27	<u>Data Feed Retirement:</u> <ul style="list-style-type: none"> • Friday, December 31: All non-equity symbology compliant data feed versions will be retired. • References: Data Technical News #2010-01 and Data Technical News #2010-03