



Market	Data Feed Name / Version	Standard Bandwidth Recommendation - Current	Standard Bandwidth Recommendation - New	Effective Date (if applicable)	Termination Date (if applicable)	Network Protocol Options	Binary vs. ASCII	Throttled vs. Unthrottled	Number of Channels	Compressed Option Available	Symbology Compliant
BX	BX Best Bid and Offer (BX BBO) – Version 1.1	24 Mb				SoupTCP, MoldUDP	ASCII	Unthrottled	3 (By Tape)	No	Yes
BX	BX GLIMPSE 3.2	1 Mb				SoupTCP 3.0	ASCII	N/A (Retransmission Service)	1	No	Yes
BX	BX Last Sale (BLS) – Version 1.1	3 Mb				SoupTCP, MoldUDP	ASCII	Unthrottled	1	No	Yes
BX	BX OUCH Pricing Feed – Version 1.1	10 Mb				MossUDP	ASCII	Unthrottled	1	No	Yes
BX	BX TotalView-ITCH 3.2	24 Mb	40 Mb	10/1/2010		SoupTCP 3.0, MoldUDP64	ASCII	Unthrottled	1	No	Yes
BX	BX TotalView-ITCH 4.1	19 Mb	32 Mb	10/1/2010		SoupBINTCP, MoldUDP64	Binary	Unthrottled	1	No	Yes
BX	BX Best Bid and Offer (BX BBO) – Version 1.0	22 Mb			12/31/2010	SoupTCP, MoldUDP	ASCII	Unthrottled	3 (By Tape)	No	No
BX	BX GLIMPSE 3.1	1 Mb				SoupTCP 3.0	ASCII	N/A (Retransmission Service)	1	No	No
BX	BX Last Sale (BLS) – Version 1.0	2 Mb			12/31/2010	SoupTCP, MoldUDP	ASCII	Unthrottled	1	No	No
BX	BX OUCH Pricing Feed – Version 1.0	9 Mb			12/31/2010	MossUDP	ASCII	Unthrottled	1	No	No
BX	BX TotalView-ITCH 3.1	22 Mb	40 Mb	12/31/2010		SoupTCP 3.0, MoldUDP64	ASCII	Unthrottled	1	No	No
BX	BX TotalView-ITCH 4.0	18 Mb	32 Mb	12/31/2010		SoupBINTCP, MoldUDP64	Binary	Unthrottled	1	No	No
BX	BX GLIMPSE 4.1	1 Mb				SoupBINTCP	Binary	N/A (Retransmission Service)	1	No	Yes
BX	BX GLIMPSE 4.0	1 Mb				SoupBINTCP	Binary	N/A (Retransmission Service)	1	No	No
FINRA	Bulletin Board Dissemination Service (BBDS)	400 Kb				IP Multicast	ASCII	Throttled	1	No	Yes
FINRA	Trade Dissemination Service (TDDS)	200 Kb				IP Multicast	ASCII	Throttled	1	No	Yes
NASDAQ	NASDAQ Best Bid and Offer (QBBO) – Version 1.1	48 Mb				SoupTCP, MoldUDP	ASCII	Unthrottled	3 (By Tape)	Yes (SoupTCP)	Yes
NASDAQ	NASDAQ GLIMPSE 3.2	10 Mb				SoupTCP 3.0	ASCII	N/A (Retransmission Service)	1	No	Yes
NASDAQ	NASDAQ GLIMPSE 4.1	10 Mb				SoupBINTCP	Binary	N/A (Retransmission Service)	1	No	Yes
NASDAQ	NASDAQ Last Sale (NLS) – Version 1.1	16 Mb				SoupTCP, MoldUDP	ASCII	Unthrottled	1	Yes (SoupTCP)	Yes
NASDAQ	NASDAQ Level 2 – Version 1.1	27 Mb				SoupTCP, MoldUDP	ASCII	Throttled	3 (MoldUDP only, Split Alpha)	Yes (SoupTCP)	Yes
NASDAQ	NASDAQ Market Pathfinders – Version 1.1	5 Mb				MoldUDP	ASCII	Unthrottled	1	No	Yes
NASDAQ	NASDAQ Market Velocity & Forces 2.1	4 Mb				MoldUDP	ASCII	Unthrottled	1	No	Yes
NASDAQ	NASDAQ Net Order Imbalance Snapshot (NOIS) 2.1	200 Kb				MoldUDP	ASCII	Unthrottled	1	No	Yes
NASDAQ	NASDAQ NOIVIEW 2.1	5 Mb				SoupTCP, MoldUDP	ASCII	Unthrottled	1	Yes (SoupTCP)	Yes
NASDAQ	NASDAQ OUCH Pricing Feed – Version 1.1	10 Mb				MossUDP	ASCII	Unthrottled	1	No	Yes
NASDAQ	NASDAQ TotalView-Aggregated – Version 1.1	73 Mb				SoupTCP, MoldUDP	ASCII	Throttled	8 (MoldUDP only, Split Alpha)	Yes (SoupTCP)	Yes
NASDAQ	NASDAQ TotalView-ITCH 3.2	75 Mb	84 Mb	10/1/2010		SoupTCP 3.0, MoldUDP64	ASCII	Unthrottled	1	Yes	Yes
NASDAQ	NASDAQ TotalView-ITCH 4.1	61 Mb	67 Mb	10/1/2010		SoupBINTCP, MoldUDP64	Binary	Unthrottled	1	Yes	Yes
NASDAQ	NASDAQ Trades FilterView – Version 1.1	8 Mb				SoupTCP, MoldUDP	ASCII	Unthrottled	1	No	Yes
NASDAQ	TRF Trades FilterView – Version 1.1	8 Mb				SoupTCP, MoldUDP	ASCII	Unthrottled	1	No	Yes
NASDAQ	NASDAQ Best Bid and Offer (QBBO) – Version 1.1	45 Mb			12/31/2010	SoupTCP, MoldUDP	ASCII	Unthrottled	3 (By Tape)	Yes (SoupTCP)	No
NASDAQ	NASDAQ GLIMPSE 3.2	10 Mb			12/31/2010	SoupTCP 3.0	ASCII	N/A (Retransmission Service)	1	No	No
NASDAQ	NASDAQ GLIMPSE 4.1	10 Mb			12/31/2010	SoupBINTCP	Binary	N/A (Retransmission Service)	1	No	No
NASDAQ	NASDAQ Last Sale (NLS) – Version 1.1	15 Mb			12/31/2010	SoupTCP, MoldUDP	ASCII	Unthrottled	1	Yes (SoupTCP)	No
NASDAQ	NASDAQ Level 2 – Version 1.1	25 Mb			12/31/2010	SoupTCP, MoldUDP	ASCII	Throttled	3 (MoldUDP only, Split Alpha)	Yes (SoupTCP)	No
NASDAQ	NASDAQ Market Pathfinders – Version 1.1	4 Mb			12/31/2010	MoldUDP	ASCII	Unthrottled	1	No	No
NASDAQ	NASDAQ Market Velocity & Forces 2.1	3.2 Mb			12/31/2010	MoldUDP	ASCII	Unthrottled	1	No	No
NASDAQ	NASDAQ Net Order Imbalance Snapshot (NOIS) 2.1	176 Kb			12/31/2010	MoldUDP	ASCII	Unthrottled	1	No	No
NASDAQ	NASDAQ NOIVIEW 2.1	4 Mb			12/31/2010	SoupTCP, MoldUDP	ASCII	Unthrottled	1	Yes (SoupTCP)	No
NASDAQ	NASDAQ OUCH Pricing Feed – Version 1.1	9 Mb			12/31/2010	MossUDP	ASCII	Unthrottled	1	No	No
NASDAQ	NASDAQ TotalView-Aggregated – Version 1.1	67 Mb			12/31/2010	SoupTCP, MoldUDP	ASCII	Throttled	8 (MoldUDP only, Split Alpha)	Yes (SoupTCP)	No
NASDAQ	NASDAQ TotalView-ITCH 3.1	71 Mb			12/31/2010	SoupTCP 3.0, MoldUDP64	ASCII	Unthrottled	1	Yes	No
NASDAQ	NASDAQ TotalView-ITCH 4.0	58 Mb			12/31/2010	SoupBINTCP, MoldUDP64	Binary	Unthrottled	1	Yes	No
NASDAQ	NASDAQ Trades FilterView – Version 1.1	8 Mb			12/31/2010	SoupTCP, MoldUDP	ASCII	Unthrottled	1	No	No
NASDAQ	TRF Trades FilterView – Version 1.1	8 Mb			12/31/2010	SoupTCP, MoldUDP	ASCII	Unthrottled	1	No	No
NASDAQ Information (Funds)	Mutual Fund Dissemination Service (MFDS)	500 Kb				IP Multicast	ASCII	Throttled	1	No	Yes
NASDAQ Information (Indexes)	NASDAQ OMX Global Index Service (GIDS)	2 Mb				IP Multicast	ASCII	Throttled	1	No	Yes
NASDAQ Information (Indexes)	RussellTick	2 Mb		6/1/2010		IP Multicast	ASCII	Throttled	1	No	Yes
NASDAQ Options	Best of NASDAQ Options (BONO) – Version 2.0	38 Mb				SoupTCP, MoldUDP	ASCII	Unthrottled	1	Yes (SoupTCP)	Yes
NASDAQ Options	NASDAQ ITCH to Trade Options (ITTO) – Version 2.0	50 Mb	63 Mb	10/1/2010		SoupTCP, MoldUDP	ASCII	Unthrottled	1	Yes (SoupTCP)	Yes
NASDAQ Options	NASDAQ Options Depth At Price (DAP) – Version 2.0	50 Mb	54 Mb	10/1/2010		SoupTCP, MoldUDP	ASCII	Unthrottled	1	Yes (SoupTCP)	Yes
NASDAQ Options	NASDAQ Options NOIVIEW – Version 2.0	8 Mb				SoupTCP, MoldUDP	ASCII	Unthrottled	1	Yes (SoupTCP)	Yes
NASDAQ, BX, PSX	NLS Plus 1.0	N/A	20 Mb	10/1/2010		MoldUDP64, Compressed Soup	Binary	Unthrottled	2 (By Tape)	Yes (SoupTCP)	Yes
PHLX Options	PHLX Orders (part of TOPO Plus Orders) – Version 1.0	1.75 Mb				MoldUDP	ASCII	Unthrottled	1	Yes (FAST / MoldUDP)	Yes
PHLX Options	Top of PHLX Options (TOPO) – Version 1.0	65 Mb	110 Mb	1/1/2011		FAST / MoldUDP	ASCII	Unthrottled	1	Yes (FAST / MoldUDP)	Yes
PSX	PSX Best Bid and Offer (PSX BBO) – Version 1.1	24 Mb		10/8/2010		SoupTCP, MoldUDP	ASCII	Unthrottled	3 (By Tape)	No	Yes
PSX	PSX GLIMPSE 3.2	1 Mb		10/8/2010		SoupTCP 3.0	ASCII	N/A (Retransmission Service)	1	No	Yes
PSX	PSX GLIMPSE 4.1	1 Mb		10/8/2010		SoupBINTCP	Binary	N/A (Retransmission Service)	1	No	Yes
PSX	PSX Last Sale (PLS) – Version 1.1	3 Mb		10/8/2010		SoupTCP, MoldUDP	ASCII	Unthrottled	1	No	Yes
PSX	PSX OUCH Pricing Feed – Version 1.1	10 Mb		10/8/2010		MossUDP	ASCII	Unthrottled	1	No	Yes
PSX	PSX TotalView-ITCH 3.2	24 Mb		10/8/2010		SoupTCP 3.0, MoldUDP64	ASCII	Unthrottled	1	No	Yes
PSX	PSX TotalView-ITCH 4.1	19 Mb		10/8/2010		SoupBINTCP, MoldUDP64	Binary	Unthrottled	1	No	Yes
UTP SIP	OTC Montage Data Feed (OMDF)	512 Kb				IP Multicast	ASCII	Throttled	1	No	Yes
UTP SIP	UTP Quotation Data Feed (UQDF)	56 Mb	96 Mb	1/10/2011		IP Multicast	ASCII	Throttled	6	No	Yes
UTP SIP	UTP Trade Data Feed (UTDF)	12.5 Mb	33.5 Mb	1/10/2011		IP Multicast	ASCII	Throttled	6	No	Yes