

# U.S. CONSOLIDATED TAPE DATA

The statistics below represent Population, Quote and Trade metrics as provided by the Securities Information Processors (SIPs) and the SIP Administrators responsible for disseminating Level 1 trade and quote information in New York Stock Exchange ("Tape A"), NYSE Arca and NYSE Amex ("Tape B") and NASDAQ ("Tape C") listed securities traded on participating U.S. exchanges.<sup>1</sup> The Consolidated Tape Association (CTA) (for Tape A and B) and the UTP Plan (for Tape C) have provided this information as a means to increase transparency related to the activities of the U.S. consolidated tape plans.

## CONSOLIDATED DATA QUARTERLY OPERATING METRICS REPORT

SUBSCRIBER/ HOUSEHOLD METRICS	3Q13	CHANGE % YEAR/YEAR
<b>Tape A:</b>		
Capped non-professional subscribers (quarter-end)	2,453,881	15.5%
Quote usage (total; excludes capped subscribers)	680,331,437	16.0%
Professional subscribers (quarter-end)	312,528	-13.8%
Number of households (quarter-end)	143,545,342	7.7%
<b>Tape B:</b>		
Capped non-professional subscribers (quarter-end)	1,222,325	22.6%
Quote usage (total; excludes capped subscribers)	186,107,653	30.5%
Professional subscribers- Last Sale (quarter-end)	242,254	-9.7%
Number of households (quarter-end)	53,256,000	0.0%
<b>Tape C:</b>		
Capped non-professional subscribers (quarter-end)	2,381,594	17.5%
Quote usage (total; excludes capped subscribers)	646,010,489	11.7%
Professional subscribers (quarter-end)	295,192	-15.9%
Number of households (quarter-end)	146,896,684	7.5%

### Definitions

- 1) Capped non-professionals includes data usage by those defined pursuant to the Non-Professional Subscriber policy (<http://www.nyxdata.com/Docs/Market-Data/Policies>) paying the flat per subscriber rate. Includes non-professionals paying on a per-quote basis that are capped at \$1.00/month.
- 2) Quotes include data usage for those professionals that choose to report on a per-quote-packet basis as well as non-professionals that are not capped at \$1.00/month.
- 3) Professional subscribers are deemed to be those that do not meet the criteria defined pursuant to the Non-Professional Subscriber policy paying on a per device basis.
- 4) Number of households provides an estimate of households reached based on vendor reporting of television broadcast data.

SIP TECHNOLOGY/MESSAGE RATE METRICS	3Q13
<b>QUOTE METRICS</b>	
<b>Tape A/B:</b>	
Peak Quotes Per Second	580,870
Avg. Quotes Per Second (quarter-end)	318,793
Avg. Quotes Per Day (quarter-end)	416,257,770
Avg. Quote Latency (quarter-end)	0.4 ms
<b>Tape C:</b>	
Peak Quotes Per Second	217,486
Avg. Quotes Per Day	105,637,066
Avg. Quote Latency	1.3101 ms
<b>TRADE METRICS</b>	
<b>Tape A/B:</b>	
Peak Trades Per Second	80,747
Avg. Trades Per Second (quarter-end)	41,101
Avg. Trades Per Day (quarter-end)	19,970,495
Avg. Trade Latency (quarter-end)	0.4 ms
<b>Tape C:</b>	
Peak Trades Per Second	66,883
Avg. Trades Per Day	8,838,538
Avg. Trade Latency	1.3007 ms

### Definitions

#### Record Information

Peak Quotes/Trades Per Second = historic 1-second peak

#### Average for Last Month of the Quarter

Avg. Quotes/Trades Per Second = average 1-second peak

Avg. Quotes/Trades Per Day = average daily total

Avg. Quote/Trade Latency = average time from when messages are received from Participants to when results are sent out by the system

<sup>1</sup> CURRENT MEMBERS OF THE TAPE PLANS INCLUDE: BATS EXCHANGE, CHICAGO BOARD OPTIONS EXCHANGE, CHICAGO STOCK EXCHANGE, DIRECT EDGE, FINRA, INTERNATIONAL SECURITIES EXCHANGE, NASDAQ OMX BX, NASDAQ OMX PHLX, NATIONAL STOCK EXCHANGE, NYSE, NYSE AMEX, NYSE ARCA, AND THE NASDAQ STOCK MARKET. © COPYRIGHT 2013, THE NASDAQ OMX GROUP, INC. ALL RIGHTS RESERVED. Q13-1373. 07-13