Securities Industry Automation Corporation
1 Pierrepont Plaza, Brooklyn, New York, 11201

September 28, 2011

To: CTS and CQS Multicast Data Recipients

Subject: CTS and CQS Maximum IP Multicast Output Traffic Rates

Capacity Projections

The CTA Participants have updated their traffic projections for 2012 which are based on a **1**-second interval. The maximum output traffic rates for CTS and CQS (the October 2011 rates remain as previously published on June 24, 2011) will be as follows (CTS rates are reflected in Mbps; CQS rates are reflected in Gbps):

Effective Date	Maximum Output Traffic Rates 1-Second MPS		Bandwidth Megabits Per Second Mbps	Gbps	Bandwidth Plus 10% For Retransmissions Mbps	Gbps	Total Messages Per Day (in Millions)	
	CTS	CQS	CTS	CQS	CTS	CQS	CTS	CQS
October 2011	250,000	1,250,000	158.4	1.02	174.2	1.12	200	2000
January 2012	300,000	1,500,000	190.1	1.22	209.1	1.35	200	2000

Maximum Output Rate - Individual Multicast Line:

	CTS		CQS	
Effective Date	**MPS**	**Mbps**	**MPS**	**Mbps**
October 2011	35,000	22.2	100,000	81.6
January 2012	35,000	22.2	100,000	81.6

Peak Packets Per Second:

Effective Date	CTS	CQS
October 2011	125,000	150,000
January 2012	150,000	180,000

Data Streams

Two redundant streams of data are available from SIAC. These projections are for one stream only. **As such, for those Data Recipients who take in both streams, the bandwidth requirements would be double.**

Average Latency:*
The average latency for CTS and CQS are under 1 millisecond.

**Latency is measured from the time the messages are received from the Participant to when they are sent out by the system.*

Questions
If you have any questions, please send an email to CQS-CTS-OPRA@siac.com, or contact the Service Desk at 866-873-7422.

Sincerely,

Michael Collazo
Director
NMS Product Planning & Management