



The SIP Operating Committees are committed to increasing transparency by providing detailed information on the respective operations of the Consolidated Tape Association (“CTA”) and Unlisted Trading Privileges (“UTP”), including summaries of the General Sessions from the Operating Committees’ quarterly meetings, plan policies, quarterly and monthly performance metrics, pricing schedules, technical specifications, etc. In that regard, the SIPs are providing the following information to further increase transparency of public market data:

- Trade and quote revenue distributed to Participants for Tapes A, B and C, beginning in 2010.
- Per trade and quote message revenue (in aggregate) distributed to Participants for Tapes A, B and C, beginning in 2010.
- Revenue earned by fee type for Tapes A and B, beginning in 2010, and Tape C, beginning in 2010.

Revenue data will be updated on a quarterly basis, with a 60 day lag, and will be retained on the Plan website. Market data revenue is allocated according to an allocation formula and rules promulgated under Regulation NMS. A summary of the Market Data Revenue Allocation Formula can be found at the following link:

http://www.utpplan.com/DOC/Revenue_Allocation_Formula.pdf

REVENUE EARNED BY FEE TYPE*

UTP	Professional Subscribers	Non-Professional Subscribers	Non-Display	Quote Query	Other**
2010 Q1	72.1%	18.1%	0.0%	8.4%	1.5%
2010 Q2	68.7%	20.5%	0.0%	9.4%	1.4%
2010 Q3	72.6%	18.3%	0.0%	8.1%	1.1%
2010 Q4	70.3%	19.9%	0.0%	8.7%	1.1%
2011 Q1	70.5%	19.1%	0.0%	9.3%	1.1%
2011 Q2	70.3%	19.6%	0.0%	8.9%	1.1%
2011 Q3	71.9%	18.4%	0.0%	8.6%	1.1%
2011 Q4	72.8%	18.0%	0.0%	8.0%	1.1%
2012 Q1	67.0%	18.3%	0.0%	8.6%	6.1%
2012 Q2	66.8%	18.1%	0.0%	8.9%	6.1%
2012 Q3	67.2%	18.0%	0.0%	8.7%	6.2%
2012 Q4	66.3%	18.4%	0.0%	9.0%	6.3%
2013 Q1	64.2%	19.5%	0.0%	10.1%	6.2%
2013 Q2	63.0%	20.2%	0.0%	10.6%	6.2%
2013 Q3	61.2%	21.4%	0.0%	10.8%	6.6%
2013 Q4	60.1%	22.3%	0.0%	11.1%	6.5%
2014 Q1	59.3%	20.2%	0.0%	9.5%	11.0%
2014 Q2	58.7%	20.4%	0.0%	9.4%	11.5%
2014 Q3	58.7%	20.3%	0.0%	9.2%	11.7%
2014 Q4	59.7%	19.4%	0.0%	9.2%	11.8%
2015 Q1	46.3%	16.2%	15.6%	12.3%	9.5%
2015 Q2	47.8%	18.3%	13.3%	10.6%	9.9%
2015 Q3	47.6%	18.4%	13.3%	10.9%	9.8%
2015 Q4	49.4%	17.4%	12.8%	10.9%	9.5%

UTP	Professional Subscribers	Non-Professional Subscribers	Non-Display	Quote Query	Other**
2016 Q1	50.6%	17.0%	13.3%	9.6%	9.5%
2016 Q2	51.7%	17.0%	12.3%	9.8%	9.2%
2016 Q3	50.8%	17.9%	12.3%	9.6%	9.3%
2016 Q4	51.0%	17.9%	12.4%	9.4%	9.4%
2017 Q1	49.2%	19.4%	12.4%	9.9%	9.1%
2017 Q2	49.8%	19.6%	12.4%	9.2%	9.0%
2017 Q3	50.9%	19.5%	12.3%	8.6%	8.8%
2017 Q4	50.6%	19.8%	11.9%	9.1%	8.6%
2018 Q1	53.2%	18.0%	12.2%	8.3%	8.4%
2018 Q2	55.5%	16.9%	12.0%	7.5%	8.2%
2018 Q3	54.9%	17.0%	12.0%	8.2%	8.0%
2018 Q4	55.2%	16.8%	11.9%	8.1%	8.0%
2019 Q1	54.8%	16.7%	11.8%	8.7%	7.9%
2019 Q2	53.7%	17.5%	11.7%	9.4%	7.7%
2019 Q3	53.6%	17.5%	11.8%	9.3%	7.8%
2019 Q4	53.6%	17.2%	11.9%	9.3%	8.0%
2020 Q1	51.7%	18.3%	11.6%	11.0%	7.4%
2020 Q2	48.0%	21.8%	11.3%	11.8%	7.1%
2020 Q3	47.7%	22.9%	11.0%	11.8%	6.5%
2020 Q4	47.3%	23.1%	11.2%	11.7%	6.7%
2021 Q1	48.0%	22.4%	11.3%	11.9%	6.4%
2021 Q2	49.4%	21.9%	12.0%	9.9%	6.8%

*Percentages of Revenue Earned are independent of Distributed Revenue values.

**Include revenues from Data Feed Access Fees, Annual Administrative Fees, Redistributor Fees, Voice Port Fees, and Cable TV Ticker Fees

TRADE & QUOTE REVENUE DISTRIBUTED TO PARTICIPANTS

EXCHANGE	2010			2011			2012			2013			2014			2015		
	QUOTING*	TRADING*	TOTAL*	QUOTING	TRADING	TOTAL	QUOTING	TRADING	TOTAL	QUOTING	TRADING	TOTAL	QUOTING	TRADING	TOTAL	QUOTING	TRADING	TOTAL
CBOE BYX	120,343	50,613	170,956	1,779,509	1,167,911	2,947,420	2,406,986	1,672,003	4,078,989	1,366,843	1,038,054	2,404,897	2,681,056	1,731,318	4,412,374	3,589,377	2,544,173	6,133,550
CBOE BZX	6,746,926	6,227,067	12,973,992	6,589,892	5,759,170	12,349,062	6,599,704	5,621,175	12,220,880	5,681,509	4,446,731	10,128,240	5,213,926	3,979,190	9,193,115	6,240,372	4,422,910	10,663,282
CBOE CBSX	159,911	66,531	226,442	55,081	32,579	87,660	913,457	196,880	1,110,337	1,188,878	254,768	1,443,646	197,902	48,032	245,933	-	-	-
CBOE EDGA	900,493	741,111	1,641,604	2,392,180	1,792,724	4,184,904	1,653,673	1,298,817	2,952,490	1,685,726	1,376,356	3,062,081	2,207,220	1,404,466	3,611,686	2,046,561	1,451,178	3,497,740
CBOE EDGX	2,997,475	1,532,675	4,530,150	6,558,942	4,235,194	10,794,136	7,896,524	4,753,223	12,649,747	9,013,519	5,044,325	14,057,844	7,539,424	4,146,229	11,685,652	8,758,888	5,241,367	14,000,255
NASDAQ	22,567,939	18,575,889	41,143,827	21,110,946	17,485,779	38,596,725	20,963,714	16,412,634	37,376,348	19,875,607	14,659,545	34,535,152	21,583,282	16,156,209	37,739,491	22,862,953	17,333,762	40,196,715
NASDAQ BX	1,274,856	1,036,956	2,311,812	1,391,093	977,873	2,368,966	2,408,266	1,670,141	4,078,407	2,472,534	1,549,307	4,021,841	2,507,484	1,517,478	4,024,962	3,176,630	1,500,466	4,677,096
NASDAQ ISE	5,367,777	620,956	5,988,733	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NASDAQ PSX	148,056	40,531	188,588	1,069,893	291,503	1,361,396	1,812,130	393,869	2,205,999	949,323	231,546	1,180,869	723,541	265,562	989,103	1,430,101	525,587	1,955,688
NYSE	-	21	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NYSE AMERICAN	455,425	203,189	658,614	603,229	334,968	938,197	101,241	57,504	158,745	179,447	80,102	259,549	177,246	76,086	253,332	115,375	56,923	172,299
NYSE ARCA	13,037,491	8,643,749	21,681,240	11,775,637	7,950,870	19,726,507	9,874,291	6,959,801	16,834,091	8,182,249	5,528,459	13,710,708	8,418,087	5,728,458	14,146,545	10,991,174	7,266,600	18,257,774
NYSE CHICAGO	198,847	107,726	306,573	66,816	57,313	124,129	28,824	75,889	104,713	66,913	64,930	131,843	71,690	62,057	133,747	160,095	73,505	233,601
NYSE NATIONAL	1,818,322	431,985	2,250,307	2,140,844	396,913	2,537,757	1,505,436	199,096	1,704,533	1,739,873	223,354	1,963,227	284,876	67,230	352,106	8	4	13
FINRA ADF	106,293	51,176	157,469	-	-	-	-	-	-	-	-	-	1,108,774	506,774	1,615,548	77,219	35,167	112,386
TRF-NASDAQ CARTERET	-	16,431,974	16,431,974	-	13,828,980	13,828,980	-	15,160,872	15,160,872	-	16,097,324	16,097,324	-	14,988,199	14,988,199	-	16,675,789	16,675,789
TRF-NASDAQ CHICAGO	-	-	-	-	-	-	-	-	-	-	0	0	-	0	0	-	0	0
TRF-NYSE	-	1,138,002	1,138,002	-	1,222,283	1,222,283	-	1,692,343	1,692,343	-	1,807,619	1,807,619	-	2,037,219	2,037,219	-	2,321,324	2,321,324
TOTAL TAPE C	55,900,152	55,900,152	111,800,304	55,534,061	55,534,061	111,068,122	56,164,247	56,164,247	112,328,494	52,402,420	52,402,420	104,804,840	52,714,506	52,714,506	105,429,012	59,448,754	59,448,754	118,897,509
# of msgs	29,389,338,573	2,017,678,531	-	40,300,750,770	2,082,985,152	-	29,725,994,756	1,765,963,089	-	26,798,010,914	1,965,531,141	-	35,306,291,977	2,952,599,378	-	38,607,118,958	3,092,016,174	-
Revenue / msg	0.0019	0.0277	-	0.0014	0.0267	-	0.0019	0.0318	-	0.0020	0.0267	-	0.0015	0.0179	-	0.0015	0.0192	-

EXCHANGE	2016			2017			2018			2019			2020			2021		
	QUOTING	TRADING	TOTAL	QUOTING	TRADING	TOTAL	QUOTING	TRADING	TOTAL	QUOTING	TRADING	TOTAL	QUOTING	TRADING	TOTAL	QUOTING	TRADING	TOTAL
CBOE BYX	3,886,003	2,683,751	6,569,754	4,717,262	3,399,959	8,117,220	4,367,358	2,984,784	7,352,141	2,986,785	2,165,588	5,152,374	1,726,497	1,269,104	2,995,601	973,093	628,918	1,602,010
CBOE BZX	6,321,743	4,238,976	10,560,719	5,899,342	3,754,380	9,653,723	6,946,227	4,314,955	11,261,182	8,295,640	4,254,396	12,550,036	8,361,361	4,561,947	12,923,309	3,035,765	2,037,307	5,073,072
CBOE EDGA	2,169,741	1,503,114	3,672,855	1,695,652	1,031,545	2,727,197	1,374,767	915,783	2,290,550	1,789,505	4,838,365	3,152,464	1,753,356	4,905,820	1,198,083	738,305	1,936,388	
CBOE EDGX	8,903,313	5,312,990	14,216,303	8,866,893	4,787,968	13,654,861	8,169,953	4,494,799	12,664,751	5,977,460	3,411,238	9,388,697	7,477,022	4,132,661	11,609,683	4,659,160	2,594,586	7,253,746
IEX	595,967	414,428	1,010,396	1,628,831	1,669,650	3,298,481	1,974,320	1,992,836	3,967,156	1,707,018	2,342,679	4,049,697	2,544,491	2,494,221	5,038,713	3,101,696	1,601,584	4,703,280
LTSE	-	-	-	-	-	-	-	-	-	-	-	-	18,508	544	19,051	1,057	422	1,479
MEMX	-	-	-	-	-	-	-	-	-	-	-	-	287,097	75,770	362,867	1,200,043	444,824	1,644,866
MIAX	-	-	-	-	-	-	-	-	-	-	-	-	249,764	9,921	259,686	1,084,001	77,233	1,161,234
NASDAQ	24,164,507	18,323,696	42,488,203	25,326,407	18,878,837	44,205,244	25,638,671	20,218,898	45,857,569	26,524,431	20,841,979	47,366,410	30,468,753	23,138,595	53,607,348	14,746,362	11,791,462	26,537,823
NASDAQ BX	3,075,136	1,905,638	4,980,774	4,378,719	2,845,766	7,224,484	4,394,565	2,761,984	7,156,549	1,773,421	1,366,113	3,139,534	667,588	741,322	1,408,909	229,185	358,058	587,243
NASDAQ PSX	1,757,277	607,118	2,364,395	1,360,567	561,894	1,922,461	1,237,423	546,665	1,784,088	1,046,470	439,480	1,485,950	980,247	393,648	1,373,895	516,142	240,104	756,246
NYSE	-	-	-	-	-	-	1,176,149	579,740	1,755,888	2,489,870	996,848	3,486,717	2,864,236	1,092,801	3,957,037	1,470,475	564,364	2,034,839
NYSE AMERICAN	76,917	32,139	109,056	112,945	36,108	149,053	296,092	119,926	416,018	200,753	121,701	322,453	354,204	172,856	527,060	184,745	86,135	270,880
NYSE ARCA	10,258,805	6,341,021	16,599,826	8,506,037	5,009,729	13,515,766	8,986,643	5,270,335	14,256,977	9,236,424	5,372,631	14,609,055	11,436,338	6,461,708	17,898,047	5,083,466	3,133,372	8,216,838
NYSE CHICAGO	223,454	74,721	298,175	226,198	99,877	326,075	441,914	135,223	577,136	463,324	121,931	585,255	872,590	99,529	972,119	505,242	40,514	545,756
NYSE NATIONAL	16,158	5,606	21,764	1,588	673	2,262	934,855	298,636	1,233,490	1,589,436	623,330	2,212,766	1,434,365	634,231	2,068,596	773,343	345,703	1,119,046
FINRA ADF	-	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRF-NASDAQ CARTERET	-	17,731,533	17,731,533	-	19,084,491	19,084,491	-	18,742,041	18,742,041	-	17,913,552	17,913,552	-	21,071,232	21,071,232	-	11,963,651	11,963,651
TRF-NASDAQ CHICAGO	-	0	0	-	0	0	-	0	0	-	72,129	72,129	-	173,849	173,849	-	99,188	99,188
TRF-NYSE	-	2,274,290	2,274,290	-	1,559,564	1,559,564	-	2,562,332	2,562,332	-	3,506,792	3,506,792	-	4,618,234	4,618,234	-	2,016,126	2,016,126
TOTAL TAPE C	61,449,021	61,449,022	122,898,043	62,720,441	62,720,441	125,440,882	65,938,935	65,938,935	131,877,870	65,339,891	65,339,891	130,679,783	72,895,527	72,895,527	145,791,054	38,761,856	38,761,856	77,523,713
# of msgs	42,411,426,465	3,188,796,923	-	34,702,720,914	3,139,148,801	-	50,555,106,959	3,738,107,236	-	49,591,610,126	3,851,767,394	-	80,373,934,315	6,503,806,502	-	63,575,305,559	4,402,405,634	-
Revenue / msg	0.0014	0.0193	-	0.0018	0.0200	-	0.0013	0.0176	-	0.0013	0.0170	-	0.0009	0.0112	-	0.0006	0.0088	-

TRADE & QUOTE REVENUE DISTRIBUTED TO PARTICIPANTS

