**Order Execution Summary over Market Maker Stocks** 

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All orde	r executio	on informa	tion	M	larket and N	larketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Executi	on	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed		Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
ABBEYBDS	21 : 0-6,499	1!	7,4	75	0:00:01.5	0.0080	7,475	0.0080		-	-	-
ABBEYBDS	22 : 6,500-34,999	:	l	-	0:00:00.0			-		-	-	-
ABBEYBDS	23 : 35,000-126,499	4	1,00	)5	3:20:58.1	-0.0597	1,005	0.0000	ı	-	-	-
ABCTRANS	21 : 0-6,499	29	27,30	08	0:03:42.9	-0.0015	20,802	2 0.0017		-	-	-
ABCTRANS	22 : 6,500-34,999	19	134,70	54	0:01:55.4	0.0082	134,764	0.0045		-	-	-
ABCTRANS	23 : 35,000-126,499	1:	327,20	00	0:04:44.7	0.0210	325,000	0.0219	ı	-	95,000	0.0192
ABCTRANS	24: 126,500 & above	19	2,586,39	96	0:03:32.3	0.0170	2,359,077	0.0199	ı	-	1,975,280	0.0071
ACCESS	21 : 0-6,499	1,462	2,251,0	18	0:05:45.7	0.0449	1,753,519	0.0574		-	29,959	0.0337
ACCESS	22 : 6,500-34,999	93:	12,289,1	18	0:07:12.6	0.0485	8,787,236	0.0521		-	332,078	0.0455
ACCESS	23 : 35,000-126,499	90:	40,035,73	33	0:11:22.4	0.0150	25,051,105	0.0430		-	1,120,452	0.0394
ACCESS	24 : 126,500 & above	872	2 557,275,00	58	0:02:10.3	0.0900	352,239,543	0.1511		-	69,732,616	0.3565
AFRINSURE	21 : 0-6,499	13	3 20,0	13	0:23:39.3	0.0006	15,013	3 0.0030		-	-	-
AFRINSURE	22 : 6,500-34,999	8	32,00	00	0:22:08.5	-0.0006	15,000	0.0047	1	-	-	-
AFRINSURE	23:35,000-126,499	16	829,2	20	0:04:58.8	0.0070	789,220	0.0066	ı	-	93,000	0.0097

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	larketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
AFRINSURE	24 : 126,500 & above	33	122,317,962	0:03:03.5	0.0013	116,323,762	0.0018		-	-	-
AFRIPRUD	21 : 0-6,499	767	870,517	0:10:31.1	0.0265	564,541	0.0324		-	24,136	0.0167
AFRIPRUD	22 : 6,500-34,999	387	3,827,206	0:13:56.8	0.0016	2,163,403	0.0323		-	120,520	0.0425
AFRIPRUD	23 : 35,000-126,499	376	14,050,380	0:15:30.4	0.0124	9,523,865	0.0341		-	1,185,206	0.0272
AFRIPRUD	24: 126,500 & above	146	25,250,400	0:11:24.0	0.0075	21,942,965	0.0787	1	-	10,688,656	0.0413
AGLEVENT	21 : 0-6,499	52	39,351	0:07:16.6	0.0111	32,927	0.0126	ı	-	4,500	0.0115
AGLEVENT	22 : 6,500-34,999	30	360,719	0:19:18.8	0.0101	327,735	0.0162		-	-	-
AGLEVENT	23 : 35,000-126,499	20	831,720	0:18:42.6	0.0072	605,720	0.0148	1	-	150,625	0.0093
AGLEVENT	24: 126,500 & above	20	1,712,242	0:31:46.4	0.0152	1,692,010	0.0214		-	-	-
AIICO	21 : 0-6,499	292	443,655	0:11:20.2	0.0095	353,877	0.0129	ı	-	1,000	0.0052
AIICO	22 : 6,500-34,999	286	3,360,275	0:14:30.4	0.0052	2,389,467	0.0112		-	108,646	0.0143
AIICO	23 : 35,000-126,499	273	10,160,028	0:22:20.2	0.0014	6,043,184	0.0099	1	-	403,145	0.0110
AIICO	24: 126,500 & above	298	59,634,371	0:14:29.2	0.0026	41,900,172	0.0116	1	-	7,570,113	0.0135
AIRSERVICE	21 : 0-6,499	72	56,990	0:11:37.8	0.0112	50,815	0.0708		=	<del>-</del>	-
AIRSERVICE	22 : 6,500-34,999	17	149,472	0:10:57.4	-0.0014	110,377	0.0663		-	255	0.0500

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
AIRSERVICE	23 : 35,000-126,499	1	. 36,92	3 0:00:00.0	0.2000	36,928	0.2000	)	-	-	
ALEX	21 : 0-6,499	14	14,02	3 0:00:00.0	0.0000	14,023	0.0000		-	-	
ARBICO	21 : 0-6,499	7	1,40	0:00:00.0	0.0000	1,400	0.0000		-	-	
ARBICO	23 : 35,000-126,499	1	. 49,90	0:00:00.0	0.0000	49,900	0.0000		-	-	
BERGER	21 : 0-6,499	139	149,32	0:19:11.2	0.0785	102,811	0.1781		-	9,866	0.2392
BERGER	22 : 6,500-34,999	36	302,56	3 0:08:44.9	0.1030	254,417	0.1948	}	-	18,300	0.0350
BERGER	23 : 35,000-126,499	7	156,76	3 0:51:22.9	0.1576	156,768	0.4239		-	72,407	0.2675
BETAGLAS	21 : 0-6,499	77	67,91	0:19:51.6	1.5705	46,187	2.6414		-	5,400	0.4625
BETAGLAS	22 : 6,500-34,999	13	117,72	0:00:51.6	3.7887	107,526	4.2881		-	31,210	0.0839
BETAGLAS	23 : 35,000-126,499	11	. 210,52	3 0:02:24.3	2.7012	159,723	2.2693		-	-	
BETAGLAS	24 : 126,500 & above	1	. 200,00	0:04:15.0	-7.6000	-	0.0000	)	-	-	
BOCGAS	21 : 0-6,499	49	24,51	0:19:16.6	0.0843	22,893	0.0964		-	780	0.0300
BOCGAS	22 : 6,500-34,999	7	48,88	7 0:35:47.1	0.0000	24,587	0.0746	)	-	-	
BOCGAS	23:35,000-126,499	3	7.	0:00:00.0	0.4000	75	0.4000	l	-	-	
BOCGAS	24: 126,500 & above	3	}	- 0:00:00.0		-			-	-	

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	larketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
CADBURY	21 : 0-6,499	594	621,759	0:14:33.2	0.0856	402,526	0.1684		-	28,773	0.0444
CADBURY	22 : 6,500-34,999	255	2,343,695	0:11:03.4	0.1031	1,582,749	0.2034		-	361,702	0.0686
CADBURY	23 : 35,000-126,499	86	1,925,675	0:23:27.7	0.0600	1,285,855	0.2493		-	559,727	0.0767
CADBURY	24: 126,500 & above	14	1,029,317	0:55:34.3	0.0358	623,517	0.3120		-	337,313	0.2073
CAP	21 : 0-6,499	336	196,871	0:29:37.9	0.1946	133,161	0.6563		-	19,123	0.3178
CAP	22 : 6,500-34,999	70	546,282	0:41:09.0	0.1602	323,033	0.5627		-	58,143	0.3613
CAP	23 : 35,000-126,499	13	101,394	0:57:27.6	-1.4662	54,573	0.0000		-	=	
CAP	24: 126,500 & above	2	5,000	0:48:06.0	1.9000	5,000	1.9000		-	=	
CAPHOTEL	21 : 0-6,499	7	710	0:00:00.0	0.0000	710	0.0000		-	=	
CAPOIL	21 : 0-6,499	12	8,770	0:00:00.0	0.0039	8,770	0.0039		-	-	
CAPOIL	22 : 6,500-34,999	3	38,250	0:03:08.9	0.0000	38,250	0.0000		-	=	
CAPOIL	24: 126,500 & above	8	1,303,750	0:24:32.8	-0.0013	1,303,750	0.0003		-	=	
CAVERTON	21 : 0-6,499	338	452,083	0:12:07.3	0.0051	297,978	0.0242		-	5,100	0.0169
CAVERTON	22 : 6,500-34,999	367	3,688,111	0:23:13.1	0.0094	2,353,057	0.0249		-	104,000	0.0163
CAVERTON	23 : 35,000-126,499	429	15,149,910	0:15:23.6	0.0061	8,145,736	0.0284		-	961,630	0.0173

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
CAVERTON	24: 126,500 & above	230	58,587,098	0:07:06.7	0.0692	49,495,124	0.0994		-	28,053,137	0.0732
CCNN	21 : 0-6,499	281	402,838	0:09:20.6	0.1261	266,044	0.2332		-	20,250	0.0420
CCNN	22 : 6,500-34,999	184	1,807,531	0:15:22.9	0.0387	1,212,456	0.2243	}	-	164,168	0.0600
CCNN	23 : 35,000-126,499	92	3,295,003	0:13:21.2	0.0836	2,290,757	0.2216	i	-	150,730	0.0929
CCNN	24 : 126,500 & above	59	15,743,409	0:03:57.1	0.3683	14,010,385	0.6278	1	-	3,927,797	0.4315
CHAMPION	21 : 0-6,499	131	157,666	0:19:00.9	0.0016	117,905	0.0343		-	6,071	0.0084
CHAMPION	22 : 6,500-34,999	93	1,029,345	0:35:03.7	0.0180	787,545	0.0326	i	-	19,929	0.0100
CHAMPION	23 : 35,000-126,499	109	4,572,011	0:22:28.1	0.0296	3,441,949	0.0623		-	627,201	0.0359
CHAMPION	24 : 126,500 & above	59	11,441,592	0:17:00.1	0.0588	9,248,822	0.1031		-	4,382,019	0.0218
CHAMS	21 : 0-6,499	32	16,310	0:00:00.0	0.0000	16,310	0.0000	)	-	-	
CHAMS	23 : 35,000-126,499	2	211,607	0:00:00.0	0.0000	211,607	0.0000		-	-	
CHELLARAM	21 : 0-6,499	17	19,745	0:00:31.7	0.0781	19,745	0.0781		-	-	
CHELLARAM	22 : 6,500-34,999	3	2,917	0:00:00.0	0.0000	2,917	0.0000	)	-	-	
CILEASING	21 : 0-6,499	145	238,712	0:11:59.1	0.0231	194,252	0.0233	}	-	-	
CILEASING	22 : 6,500-34,999	235	1,974,025	0:13:30.0	0.0155	1,373,935	0.0207	,	-	53,050	0.0308

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	M	arket and N	larketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
•	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
CILEASING	23:35,000-126,499	360	10,491,749	0:23:22.3	-0.0113	6,060,679	0.0140	ı	-	259,499	0.0113
CILEASING	24: 126,500 & above	227	78,214,334	0:06:27.3	0.0015	44,881,108	0.0303		-	3,960,722	0.0351
CONOIL	21 : 0-6,499	463	355,540	0:18:28.0	0.0461	224,718	0.3840		-	18,384	0.1567
CONOIL	22 : 6,500-34,999	79	498,795	0:25:28.2	0.1051	388,737	0.4128		-	76,946	0.1382
CONOIL	23 : 35,000-126,499	6	157,490	0:16:17.6	0.6832	157,490	1.0134		-	119,220	0.0314
CONOIL	24: 126,500 & above	2	11,905	1:05:26.6	-0.6500	-	0.0000		-	-	
CONTINSURE	21 : 0-6,499	106	156,847	0:17:36.1	0.0256	115,566	0.0428	1	-	1,000	0.0400
CONTINSURE	22 : 6,500-34,999	82	917,264	0:17:39.6	0.0173	680,492	0.0433		-	108,310	0.0293
CONTINSURE	23 : 35,000-126,499	83	2,811,171	0:19:54.3	0.0057	1,909,939	0.0345		-	394,928	0.0137
CONTINSURE	24: 126,500 & above	58	12,771,043	0:21:48.8	0.0154	9,318,593	0.0593		-	3,092,909	0.0550
CORNERST	21 : 0-6,499	28	23,273	0:04:05.5	0.0030	23,273	0.0030	1	-	-	
CORNERST	22 : 6,500-34,999	12	211,530	0:03:34.4	0.0048	211,530	0.0048		-	-	
CORNERST	23 : 35,000-126,499	5	371,777	0:03:39.2	0.0046	371,777	0.0046	ı	-	-	
CORNERST	24: 126,500 & above	14	13,144,138	0:23:44.5	-0.0005	12,144,138	0.0064		-	1,749,995	0.0171
COURTVILLE	21 : 0-6,499	25	39,527	0:00:34.0	-0.0009	28,590	0.0044		-	-	

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
COURTVILLE	22 : 6,500-34,999	29	364,523	0:13:40.5	0.0059	322,523	0.0075		-	-	
COURTVILLE	23 : 35,000-126,499	51	2,349,724	0:09:49.5	0.0025	1,720,654	0.0056	i	-	9,000	0.0100
COURTVILLE	24: 126,500 & above	88	30,096,862	0:17:08.6	0.0023	24,753,843	0.0057	,	-	291,070	0.0066
CUSTODIAN	21 : 0-6,499	258	318,991	0:14:24.2	0.0644	222,516	0.0970	)	-	6,589	0.0543
CUSTODIAN	22 : 6,500-34,999	161	1,650,100	0:17:34.3	0.0216	847,600	0.0701		-	44,293	0.0809
CUSTODIAN	23 : 35,000-126,499	112	4,692,816	0:06:51.4	0.0591	3,636,731	0.1413		-	989,663	0.0390
CUSTODIAN	24: 126,500 & above	34	8,229,969	0:15:31.9	0.0487	5,872,592	0.1656	)	-	2,195,106	0.0147
CUTIX	21 : 0-6,499	117	186,955	0:24:05.4	-0.0201	119,257	0.0528	}	-	12,498	0.0498
CUTIX	22 : 6,500-34,999	108	918,283	0:25:52.9	-0.0188	548,546	0.0440		-	36,180	0.0076
CUTIX	23 : 35,000-126,499	66	1,433,443	0:42:38.9	0.0563	1,030,059	0.0939	1	-	91,496	0.1210
CUTIX	24: 126,500 & above	7	840,040	0:07:18.1	-0.1117	84,581	0.0141		-	-	
DAARCOMM	21 : 0-6,499	6	1,420	0:00:00.0	0.0000	1,420	0.0000	)	-	-	
DANGCEM	21 : 0-6,499	818	596,086	0:11:05.1	0.8043	365,253	2.1931		-	58,432	0.4392
DANGCEM	22 : 6,500-34,999	187	1,242,535	0:12:17.4	0.5909	891,736	2.1278	<u> </u>	-	155,276	0.3894
DANGCEM	23 : 35,000-126,499	34	945,777	0:30:34.2	0.4285	514,460	2.3282		-	243,411	0.1783

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Limit ord	ler execut	ion information	
Security	Order Size Buckets  Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Improved F	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
	Code: Share Size Range		Sildles	Speed	Spreau (N)	Executed Shares	Spreau (N)	Sildles	шр. (м)	Silaies	Dis-IIIp. (IV)
DANGCEM	24: 126,500 & above	8	2,418,053	0:00:04.1	-0.2146	1,713,347	2.0013	-		383,482	1.5109
DANGSUGAR	21 : 0-6,499	941	1,449,435	0:07:56.1	0.0928	942,710	0.1735	-		72,062	0.0766
DANGSUGAR	22 : 6,500-34,999	525	5,934,520	0:09:22.3	0.0237	4,025,596	0.1726	<del>-</del>		518,749	0.1300
DANGSUGAR	23:35,000-126,499	352	13,245,794	0:11:57.8	0.0004	8,169,574	0.1384	-		1,406,775	0.1117
DANGSUGAR	24 : 126,500 & above	115	48,032,731	0:03:41.4	0.0471	24,441,330	0.1733	-		5,356,547	0.1133
DEAPCAP	21 : 0-6,499	4	2,005	0:00:00.0	0.0000	2,005	0.0000	-		-	
DIAMONDBNK	21 : 0-6,499	548	821,826	0:07:06.7	0.0152	633,103	0.0191	<del>-</del>		6,100	0.0086
DIAMONDBNK	22 : 6,500-34,999	538	6,056,676	0:15:21.6	0.0084	3,850,032	0.0153	-		119,822	0.0085
DIAMONDBNK	23 : 35,000-126,499	544	21,439,459	0:23:54.7	0.0031	11,770,343	0.0134	<del>-</del>		793,759	0.0097
DIAMONDBNK	24: 126,500 & above	633	200,938,877	0:11:32.9	0.0004	113,867,682	0.0145	130,000	0.0200	17,314,753	0.0125
DUNLOP	21 : 0-6,499	2	1,000	0:00:00.0	0.0000	1,000	0.0000	-		-	
DUNLOP	22 : 6,500-34,999	5	88,362	0:00:00.0	0.0000	88,362	0.0000	-		-	
DUNLOP	23 : 35,000-126,499	4	323,500	0:00:00.0	0.0000	323,500	0.0000	-		-	
ELLAHLAKES	21 : 0-6,499	3	222	0:00:00.0	0.0000	222	0.0000	-		-	
ENAMELWA	21 : 0-6,499	3	1,000	0:00:19.5	0.4500	950	0.4750	) -			

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	larketable Limit	order execut	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
ENAMELWA	22 : 6,500-34,999	3	48,670	0:00:00.0	0.0000	48,670	0.0000	)	-	-	
EQUITYASUR	21 : 0-6,499	33	48,047	0:01:16.5	0.0042	47,047	0.0037	,	-	-	
EQUITYASUR	22 : 6,500-34,999	24	277,415	0:18:06.4	0.0050	237,415	0.0064		-	100	0.0100
EQUITYASUR	23 : 35,000-126,499	25	975,588	0:04:50.3	0.0026	899,553	0.0061		-	54,365	0.0092
EQUITYASUR	24: 126,500 & above	20	6,879,707	0:01:22.1	0.0001	6,640,704	0.0019		-	53,000	0.0100
ETERNA	21 : 0-6,499	378	563,161	0:18:51.4	0.0468	390,751	0.0996	)	-	19,378	0.0330
ETERNA	22 : 6,500-34,999	274	3,037,834	0:17:12.5	0.0317	1,935,820	0.0824		-	227,025	0.0342
ETERNA	23 : 35,000-126,499	240	8,462,083	0:10:29.9	0.0447	6,056,603	0.0966	100,0	00 0.016	5 1,013,605	0.0432
ETERNA	24 : 126,500 & above	88	11,312,369	0:08:14.1	0.0555	9,097,395	0.1340		-	2,801,085	0.0867
ETI	21 : 0-6,499	626	669,959	0:06:53.2	0.2519	515,612	0.2745	1,3	88 0.078	0 19,605	0.1365
ETI	22 : 6,500-34,999	202	2,166,982	0:10:33.7	0.1810	1,527,638	0.2584		-	189,337	0.0825
ETI	23 : 35,000-126,499	145	4,467,508	0:09:47.5	0.0365	2,566,149	0.1572		-	401,420	0.1080
ETI	24: 126,500 & above	50	8,481,302	0:01:58.3	0.0824	4,924,220	0.1962		-	1,403,899	0.0535
ETRANZACT	21 : 0-6,499	8	9,150	0:00:00.0	0.0000	9,150	0.0000	)	-	-	
FBNH	21 : 0-6,499	2,542	4,879,849	0:04:50.4	0.0377	3,549,603	0.0477	1	-	35,757	0.0336

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable	Limit o	rder executi	on information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved		SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares		Imp. (N)	Shares	Dis-Imp. (N)
FBNH	22 : 6,500-34,999	2,025	27,315,799	0:06:33.2	0.0327	17,816,775	0.0453		10,000	0.0500	486,134	0.0344
FBNH	23 : 35,000-126,499	1,552	81,384,595	0:08:29.7	0.0080	48,810,962	0.0443		238,219	0.0462	1,895,127	0.0566
FBNH	24 : 126,500 & above	1,704	692,847,637	0:07:15.6	-0.0057	450,395,322	0.0604		-		89,618,791	0.0734
FCMB	21 : 0-6,499	797	1,047,440	0:11:47.9	0.0120	704,039	0.0226	ı	-		3,233	0.0135
FCMB	22 : 6,500-34,999	524	6,178,671	0:15:53.0	0.0081	3,782,040	0.0241		-		176,810	0.0163
FCMB	23 : 35,000-126,499	543	25,048,584	0:23:22.9	-0.0019	13,739,060	0.0179		-		1,189,845	0.0124
FCMB	24 : 126,500 & above	822	1,900,776,288	0:01:32.4	0.0002	977,334,660	0.0208		-		41,924,930	0.0185
FIDELITYBK	21 : 0-6,499	931	1,650,956	0:05:46.2	0.0122	1,151,642	0.0178		5,000	0.0400	11,068	0.0145
FIDELITYBK	22 : 6,500-34,999	899	11,159,897	0:10:22.4	0.0072	6,597,656	0.0146	ı	11,600	0.0100	266,200	0.0126
FIDELITYBK	23 : 35,000-126,499	1,045	45,243,282	0:13:27.7	0.0013	25,248,455	0.0147	ı	-		1,855,511	0.0212
FIDELITYBK	24 : 126,500 & above	1,356	468,894,546	0:08:59.9	0.0056	298,271,141	0.0277	ı	-		128,790,593	0.0205
FIDSON	21 : 0-6,499	105	124,100	0:05:47.8	0.1064	102,280	0.1415		-		-	
FIDSON	22 : 6,500-34,999	67	710,373	0:20:31.8	0.0974	524,132	0.1182		-		54,500	0.0468
FIDSON	23 : 35,000-126,499	47	1,599,136	0:07:03.8	0.0689	1,232,011	0.1422		-		167,350	0.0672
FIDSON	24 : 126,500 & above	39	9,837,206	0:05:42.1	0.1414	8,821,006	0.1755		-		1,661,418	0.1504

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	larketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
-	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N
FIRSTALUM	21 : 0-6,499	9	3,650	0:00:00.0	0.0000	3,650	0.0000	ı	-	-	
FIRSTALUM	22 : 6,500-34,999	5	63,450	0:00:00.0	0.0000	63,450	0.0000	ı	-	-	
FIRSTALUM	23 : 35,000-126,499	7	424,998	0:08:39.8	0.0036	424,998	0.0036	ı	-	117,998	0.0058
FIRSTALUM	24: 126,500 & above	2	337,502	0:47:52.6	0.0228	337,502	0.0228		-	192,502	0.0200
FLOURMILL	21 : 0-6,499	1,035	1,339,979	0:09:11.0	0.1845	828,027	0.3500		-	121,896	0.1334
FLOURMILL	22 : 6,500-34,999	513	4,252,625	0:09:57.3	0.1167	2,707,523	0.3348	1	-	537,793	0.1197
FLOURMILL	23 : 35,000-126,499	216	8,143,818	0:05:50.4	0.0478	5,604,461	0.3350		-	1,279,205	0.1347
FLOURMILL	24: 126,500 & above	110	67,326,233	0:01:28.4	-0.1535	51,448,461	0.9762		-	36,481,884	0.4059
FO	21 : 0-6,499	1,367	1,592,180	0:13:17.4	-0.0314	1,115,812	0.4091		-	87,569	0.1609
FO	22 : 6,500-34,999	497	4,927,718	0:15:53.0	0.1462	3,702,918	0.5102		-	754,489	0.2503
FO	23 : 35,000-126,499	214	8,641,355	0:12:32.9	0.2322	6,501,337	0.6266	1	-	2,055,663	0.3473
FO	24: 126,500 & above	75	18,746,926	0:20:47.4	0.1149	17,709,797	0.8100		-	9,133,698	0.4681
FORTISMFB	21 : 0-6,499	1	666	0:00:00.0	0.0000	666	0.0000		-		
FTNCOCOA	21 : 0-6,499	24	27,270	0:00:00.0	0.0000	27,270	0.0000		-		
FTNCOCOA	22 : 6,500-34,999	14	288,040	0:00:00.0	0.0000	288,040	0.0000		-		

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable	Limit or	der executi	on information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved		SWA Price	Price Dis-Improved	SWA Price
Security	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	•		Imp. (N)	Shares	Dis-Imp. (N)
FTNCOCOA	23 : 35,000-126,499	12	941,888	0:00:00.0	0.0000	941,888	0.0000	)	-		-	
FTNCOCOA	24: 126,500 & above	22	12,567,320	0:00:00.0	0.0000	12,567,320	0.0000	)	-		-	
GLAXOSMITH	21 : 0-6,499	1,159	1,592,383	0:05:27.8	0.1310	1,185,616	0.2749	)	1	0.0500	76,633	0.2994
GLAXOSMITH	22 : 6,500-34,999	597	6,155,280	0:08:36.5	-0.0584	4,199,369	0.3353	}	-		510,734	0.1849
GLAXOSMITH	23 : 35,000-126,499	278	10,773,576	0:07:16.3	0.0314	7,918,360	0.3168	}	-		1,633,798	0.1646
GLAXOSMITH	24: 126,500 & above	70	6,727,377	0:11:45.8	0.1832	6,045,314	0.8990	)	-		3,095,061	0.3570
GOLDBREW	21 : 0-6,499	6	1,580	0:00:00.0	0.0000	1,580	0.0000	)	-		-	
GUARANTY	21 : 0-6,499	2,158	3,196,282	0:06:02.2	0.0904	2,218,570	0.1266	)	5,000	0.0500	85,483	0.0715
GUARANTY	22 : 6,500-34,999	995	11,258,470	0:07:13.1	0.0671	7,109,024	0.1300	)	-		595,071	0.1014
GUARANTY	23 : 35,000-126,499	931	39,564,701	0:07:59.7	0.0328	21,797,760	0.1208	3	-		2,521,892	0.1198
GUARANTY	24: 126,500 & above	628	711,675,800	0:01:03.2	0.0066	370,938,500	0.1592	1	-		52,736,724	0.1132
GUINEAINS	21 : 0-6,499	16	17,460	0:00:00.0	0.0000	17,460	0.0000	)	-		-	
GUINNESS	21 : 0-6,499	763	641,623	0:12:24.8	0.6411	407,251	1.2283	}	-		41,544	0.7008
GUINNESS	22 : 6,500-34,999	246	1,376,397	0:12:39.2	0.2612	794,054	1.0136	j	-		209,679	0.5599
GUINNESS	23 : 35,000-126,499	42	828,936	0:14:12.0	-0.5520	254,488	0.6004	ļ	-		117,161	0.4561

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	larketable Lin	nit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
CHINNECC											
GUINNESS	24 : 126,500 & above	14	6,134,683	0:00:04.0	-0.2949	4,386,284	1.3908		-	960,000	0.9907
HMARKINS	21 : 0-6,499	33	38,257	0:08:51.4	0.0025	31,134	0.0059		-	-	
HMARKINS	22 : 6,500-34,999	42	515,521	0:20:11.6	0.0108	497,094	0.0118		-	43,232	0.0100
HMARKINS	23 : 35,000-126,499	65	3,512,854	0:30:55.1	-0.0003	2,450,845	0.0054		-	165,209	0.0090
HMARKINS	24: 126,500 & above	76	13,659,194	0:17:03.9	0.0088	11,293,092	0.0127	1	-	1,950,000	0.0200
HONYFLOUR	21 : 0-6,499	394	713,884	0:13:23.3	0.0162	478,845	0.0280		-	8,400	0.0324
HONYFLOUR	22 : 6,500-34,999	369	3,564,776	0:15:19.9	0.0158	2,292,433	0.0251		-	171,911	0.0268
HONYFLOUR	23 : 35,000-126,499	402	12,451,413	0:21:15.4	0.0053	7,886,439	0.0236	1	-	792,088	0.0265
HONYFLOUR	24: 126,500 & above	193	22,773,248	0:23:56.1	0.0000	14,758,748	0.0311		-	4,007,778	0.0210
INFINITY	21 : 0-6,499	7	7,400	0:00:00.0	0.0001	7,400	0.0001		-	=	
INFINITY	22 : 6,500-34,999	2	10,000	0:00:00.0	0.0100	10,000	0.0100		-	-	
INFINITY	24: 126,500 & above	1	-	0:00:00.0		-			-	-	
INTBREW	21 : 0-6,499	354	362,918	0:23:57.6	0.4847	228,688	0.8368		-	16,474	0.3249
INTBREW	22 : 6,500-34,999	118	1,027,626	0:09:45.5	0.6185	826,681	0.9337		-	85,227	0.3807
INTBREW	23 : 35,000-126,499	56	1,365,996	0:32:57.7	0.2143	929,585	0.9195		-	107,796	0.4082

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	ition	М	arket and M	larketable Lir	mit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N
INTBREW	24: 126,500 & above	43	42,552,774	0:01:45.2	-0.0223	21,574,951	1.2121		-	15,509,496	5 0.0597
INTENEGINS	21 : 0-6,499	4	2,000	0:00:00.0	0.0000	2,000	0.0000		-		=
INTERLINK	21 : 0-6,499	1	250	0:00:00.0	0.0000	250	0.0000		-		-
JAPAULOIL	21 : 0-6,499	289	555,614	0:10:27.6	0.0066	504,698	0.0071		-	1,000	0.0200
JAPAULOIL	22 : 6,500-34,999	385	4,805,744	0:10:15.6	0.0057	4,088,095	0.0077		-	90,000	0.0133
JAPAULOIL	23 : 35,000-126,499	559	26,758,614	0:17:34.2	0.0014	20,658,577	0.0069		-	140,000	0.0154
JAPAULOIL	24 : 126,500 & above	973	287,281,426	0:27:33.1	0.0026	231,284,723	0.0100		-	17,207,688	3 0.0124
JBERGER	21 : 0-6,499	319	312,854	0:14:50.5	0.2017	224,750	0.4351		-	21,779	0.2228
JBERGER	22 : 6,500-34,999	154	1,266,577	0:20:35.6	0.0914	821,822	0.3647		-	125,700	0.0561
JBERGER	23 : 35,000-126,499	86	2,657,092	0:23:30.1	0.4322	1,987,725	0.6443		-	342,746	5 0.1901
JBERGER	24 : 126,500 & above	10	5,656,590	0:02:22.3	0.6325	5,656,590	0.9589		-	2,227,851	0.3485
JOHNHOLT	21 : 0-6,499	27	25,531	0:01:56.2	0.0143	24,577	0.0094		-		-
JOHNHOLT	22 : 6,500-34,999	9	89,427	0:02:47.2	-0.0023	89,427	0.0000		-		-
JOHNHOLT	23:35,000-126,499	19	705,834	0:16:19.4	0.0068	605,234	0.0133		-	51,954	1 0.0098
JOHNHOLT	24: 126,500 & above	9	2,592,871	0:32:16.4	0.0050	1,617,871	0.0087		-	314,280	0.0100

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	larketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
JULI	21 : 0-6,499	2	1,200	0:00:00.0	0.0000	1,200	0.0000	ı	-	-	
LASACO	21 : 0-6,499	90	199,168	0:06:22.4	0.0053	172,614	0.0080	ı	-	-	
LASACO	22 : 6,500-34,999	125	1,644,562	0:09:57.5	0.0056	1,402,986	0.0083		-	-	
LASACO	23 : 35,000-126,499	158	7,498,117	0:11:10.5	0.0042	5,980,408	0.0069	ı	-	-	
LASACO	24: 126,500 & above	474	222,241,164	0:21:30.0	0.0008	157,326,323	0.0064		-	16,575,532	0.0084
LAWUNION	21 : 0-6,499	116	80,121	0:11:37.3	0.0140	64,491	0.0208		-	5,714	0.0194
LAWUNION	22 : 6,500-34,999	35	341,102	0:08:34.8	0.0181	297,902	0.0233		-	57,500	0.0165
LAWUNION	23 : 35,000-126,499	61	835,897	0:26:44.2	0.0004	593,356	0.0210		-	40,100	0.0098
LAWUNION	24: 126,500 & above	35	7,235,293	0:00:54.9	-0.0073	7,118,014	0.0031		-	-	
LEARNAFRCA	21 : 0-6,499	138	157,811	0:09:52.2	0.0115	112,572	0.0249		-	1,200	0.0100
LEARNAFRCA	22 : 6,500-34,999	85	713,301	0:24:28.9	0.0069	449,421	0.0203		-	38,230	0.0094
LEARNAFRCA	23 : 35,000-126,499	101	2,957,102	0:14:07.3	0.0064	2,046,787	0.0231		-	442,290	0.0225
LEARNAFRCA	24 : 126,500 & above	67	5,040,478	0:30:58.0	0.0122	3,147,539	0.0273		-	303,600	0.0284
LINKASSURE	21 : 0-6,499	48	78,114	0:16:55.8	0.0160	58,959	0.0189		-		
LINKASSURE	22 : 6,500-34,999	49	464,316	0:11:43.2	0.0181	331,216	0.0207	1	-	10,000	0.0096

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
LINKASSURE	23 : 35,000-126,499	67	1,794,242	0:11:07.6	0.0215	1,429,817	0.0246	,	-	-	
LINKASSURE	24: 126,500 & above	95	32,499,897	0:31:34.1	0.0045	19,798,560	0.0222	1	-	2,604,000	0.0111
LIVESTOCK	21 : 0-6,499	160	264,263	0:19:08.3	0.0073	164,674	0.0143	}	-	7,404	0.0112
LIVESTOCK	22 : 6,500-34,999	157	1,787,693	0:15:13.8	0.0078	1,402,082	0.0198	}	-	52,383	0.0138
LIVESTOCK	23 : 35,000-126,499	162	7,209,507	0:18:28.6	0.0047	5,324,302	0.0168	3	-	788,589	0.0109
LIVESTOCK	24: 126,500 & above	106	10,459,984	0:37:47.4	0.0022	6,797,488	0.0177	,	-	1,307,267	0.0232
MANSARD	21 : 0-6,499	126	108,385	0:23:18.8	0.0190	78,215	0.0796	j	-	1,000	0.0400
MANSARD	22 : 6,500-34,999	61	597,838	0:20:09.8	0.0725	470,143	0.0741		-	151,850	0.0218
MANSARD	23 : 35,000-126,499	41	1,234,762	0:07:09.1	0.0310	802,520	0.0528	}	-	291,685	0.0509
MANSARD	24: 126,500 & above	33	21,147,682	0:00:58.7	0.0181	20,532,465	0.0248	3	-	250,000	0.0060
MAYBAKER	21 : 0-6,499	369	598,366	0:10:45.6	0.0173	473,432	0.0404	ļ	-	7,897	0.0443
MAYBAKER	22 : 6,500-34,999	343	3,456,262	0:20:41.3	0.0013	2,056,959	0.0319	)	-	145,300	0.0134
MAYBAKER	23 : 35,000-126,499	317	9,319,593	0:19:20.0	0.0073	6,271,419	0.0356	j	-	755,098	0.0356
MAYBAKER	24 : 126,500 & above	125	15,565,485	0:11:00.3	0.0177	13,539,958	0.0427	,	-	3,180,372	0.0248
MBENEFIT	21 : 0-6,499	16	18,380	0:00:00.0	0.0030	18,380	0.0035	;	-	-	

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	larketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
MBENEFIT	22 : 6,500-34,999	30	354,000	0:06:36.6	0.0022	327,500	0.0040	ı	-	-	-
MBENEFIT	23 : 35,000-126,499	37	1,950,843	0:11:49.1	0.0006	1,750,843	0.0035		-	88,950	0.0100
MBENEFIT	24 : 126,500 & above	54	14,325,142	0:11:03.8	0.0013	12,787,664	0.0031		-	400,000	0.0075
MCNICHOLS	21 : 0-6,499	11	7,000	0:00:00.0	0.0289	7,000	0.0289		-	-	-
MCNICHOLS	22 : 6,500-34,999	7	51,800	0:05:39.5	0.0113	41,800	0.0217	1	-	-	-
MEYER	21 : 0-6,499	13	15,500	0:00:00.0	0.0000	15,500	0.0000		-	-	-
MOBIL	21 : 0-6,499	742	437,127	0:15:00.5	1.1238	311,669	3.0773		-	49,560	0.8812
MOBIL	22 : 6,500-34,999	105	754,591	0:21:31.6	1.0326	515,089	3.0042		-	82,787	1.8783
MOBIL	23 : 35,000-126,499	17	684,612	0:07:11.8	1.6096	584,612	9.0315		-	434,637	3.6896
MOBIL	24: 126,500 & above	2	497,437	0:00:00.9	7.9737	497,437	15.3496	ı	-	450,072	3.9694
MORISON	21 : 0-6,499	5	10,851	0:00:00.0	0.0024	10,851	0.0024		-	1,658	0.0079
MORISON	23 : 35,000-126,499	1	3,320	0:00:00.0	0.0000	3,320	0.0000		-	-	-
MRS	21 : 0-6,499	251	232,883	0:10:19.6	0.3866	180,285	0.6975		-	5,256	0.1869
MRS	22 : 6,500-34,999	49	475,995	0:10:44.6	0.1464	339,607	0.5725		=	102,687	0.3101
MRS	23 : 35,000-126,499	5	131,030	0:16:01.2	1.1065	131,030	1.2501		-	49,834	0.0450

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## **Order Execution Summary over Market Maker Stocks**

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Lir	nit order execu	ition information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
MRS	24: 126,500 & above	3	7,488	3 1:07:04.1	-1.4241	2,678	0.0000	)	-	-	_
MULTITREX	21 : 0-6,499	2	1,000	0:00:00.0	0.0000	1,000	0.0000	)	-	-	-
MULTIVERSE	21 : 0-6,499	7	14,500	0:00:00.0	0.0014	14,500	0.0014	ŀ	-	-	-
MULTIVERSE	22 : 6,500-34,999	10	169,375	0:00:00.0	0.0018	169,375	0.0018	}	-	-	-
MULTIVERSE	23 : 35,000-126,499	Ġ	631,768	0:00:00.0	0.0000	631,768	0.0000	)	-	-	-
MULTIVERSE	24: 126,500 & above	24	15,365,152	2 0:52:48.2	0.0035	14,965,152	0.0038	}	-	-	
NAHCO	21 : 0-6,499	351	530,045	0:08:59.4	0.0333	380,894	0.0526	j	-	7,512	2 0.0255
NAHCO	22 : 6,500-34,999	242	2,161,473	0:14:43.6	0.0042	1,389,231	0.0519	)	-	231,400	0.0274
NAHCO	23 : 35,000-126,499	200	5,460,794	0:29:46.0	-0.0143	3,236,821	0.0346	j	-	488,900	0.0348
NAHCO	24: 126,500 & above	69	5,965,292	0:15:15.5	0.0436	4,645,468	0.0637	,	-	1,433,516	5 0.0168
NASCON	21 : 0-6,499	608	675,177	0:09:49.3	0.1191	432,328	0.2245	j	-	42,770	0.0548
NASCON	22 : 6,500-34,999	314	3,085,014	0:14:37.5	0.0557	2,047,863	0.2271		-	238,475	0.0872
NASCON	23 : 35,000-126,499	179	6,260,032	0:09:07.9	0.0745	4,444,794	0.2353	}	-	1,026,084	0.1061
NASCON	24: 126,500 & above	43	9,420,446	0:03:54.4	0.0396	5,890,281	0.1568	3	-	1,399,165	0.1100
NB	21 : 0-6,499	1,246	1,271,691	0:12:54.3	0.1338	804,462	0.4233	}	785 0.10	00 66,302	2 0.3040

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## **Order Execution Summary over Market Maker Stocks**

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Lir	mit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
NB	22 : 6,500-34,999	578	5,323,698	0:12:37.5	0.1162	3,564,888	0.4355		-	571,913	0.2059
NB	23 : 35,000-126,499	235	6,837,856	0:07:53.0	0.5661	5,054,484	0.5452		-	776,570	0.2476
NB	24 : 126,500 & above	55	73,335,098	0:00:11.0	1.5116	52,524,655	3.0965		-	24,051,085	2.5321
NCR	21 : 0-6,499	42	5,586	0:00:00.0	0.0000	5,586	0.0000		-	-	
NCR	22 : 6,500-34,999	2	37,637	0:00:00.0	0.0000	37,637	0.0000	)	-	-	
NEIMETH	21 : 0-6,499	19	35,500	0:00:00.0	0.0000	35,500	0.0000		-	-	
NEIMETH	22 : 6,500-34,999	10	154,564	0:00:00.0	0.0000	154,564	0.0000		-	-	
NEIMETH	23 : 35,000-126,499	1	126,000	0:00:00.0	0.0000	126,000	0.0000		-	-	
NEM	21 : 0-6,499	129	223,205	0:06:58.0	0.0494	183,298	0.0684		-	3,000	0.0195
NEM	22 : 6,500-34,999	164	2,002,555	0:08:10.2	0.0405	1,504,584	0.0579	)	-	45,000	0.0221
NEM	23 : 35,000-126,499	237	8,785,645	0:14:35.9	0.0130	5,655,754	0.0515	į	-	339,508	0.0116
NEM	24: 126,500 & above	130	19,393,770	0:07:14.6	-0.0118	13,937,403	0.0649	1	-	1,435,563	0.0091
NESF	21 : 0-6,499	4	321	0:01:51.7	0.0000	321	0.0000		-	-	
NESTLE	21 : 0-6,499	837	377,741	0:07:16.8	11.4235	278,959	17.6270	1	-	48,235	5.7946
NESTLE	22 : 6,500-34,999	182	719,185	0:02:37.9	6.9813	486,467	14.9085	<u> </u>	-	137,016	4.5122

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**Order Execution Summary over Market Maker Stocks** 

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
NESTLE	23 : 35,000-126,499	14	562,069	0:00:13.4	-5.4256	283,282	10.4949	ı	-	82,345	0.1964
NESTLE	24 : 126,500 & above	11	3,109,180	0:01:29.6	1.5395	1,631,573	14.0155		-	250,000	0.0968
NIGERINS	21 : 0-6,499	27	55,327	0:01:17.5	-0.0009	50,327	0.0000		-	-	
NIGERINS	22 : 6,500-34,999	19	215,107	0:00:00.0	0.0005	215,107	0.0005		-	-	
NIGERINS	23 : 35,000-126,499	Ğ	384,181	0:00:18.8	0.0022	384,181	0.0022		-	5,000	0.0100
NIGERINS	24: 126,500 & above	14	2,600,400	0:13:07.6	-0.0030	1,800,400	0.0027	1	-	=	
NNFM	21 : 0-6,499	26	22,511	0:00:57.5	0.3071	21,079	0.2909		-	=	
NNFM	22 : 6,500-34,999	18	144,663	0:09:48.4	0.2242	130,803	0.3053		-	=	
NNFM	23 : 35,000-126,499	Ę	189,900	0:16:25.2	0.2696	189,900	0.4420		-	=	
NNFM	24: 126,500 & above		312,161	0:00:00.0	0.0468	312,161	0.0564		-	=	
NPFMCRFBK	21 : 0-6,499	80	151,112	0:11:51.0	0.0016	110,122	0.0175		-	5,000	0.0600
NPFMCRFBK	22 : 6,500-34,999	73	582,861	0:11:59.8	-0.0032	376,836	0.0207	1	-	33,000	0.0076
NPFMCRFBK	23 : 35,000-126,499	84	2,750,074	0:16:21.5	0.0103	1,979,231	0.0267		-	70,000	0.0600
NPFMCRFBK	24: 126,500 & above	24	1,815,635	0:01:59.8	0.0239	1,685,635	0.0310		-	460,025	0.0091
NSLTECH	21 : 0-6,499	3	3 1,100	0:00:00.0	0.0000	1,100	0.0000		-		

#### Guidance

**Order Execution Summary over Market Maker Stocks** 

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable	Limit o	rder executi	on information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved		SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares		Imp. (N)	Shares	Dis-Imp. (N)
OANDO	21 : 0-6,499	1,669	2,803,227	0:04:38.6	0.0360	2,058,380	0.0505		1,321	0.0500	47,345	0.1093
OANDO	22 : 6,500-34,999	1,453	18,560,552	0:05:48.1	0.0280	12,236,610	0.0477	l.	20,000	0.0500	410,296	0.1700
OANDO	23 : 35,000-126,499	1,036	52,100,598	0:07:27.2	0.0241	33,797,839	0.0474		128,120	0.1744	2,924,917	0.0685
OANDO	24: 126,500 & above	601	293,163,427	0:04:04.0	0.1471	240,546,433	0.2768		-		153,665,563	0.2376
OKOMUOIL	21 : 0-6,499	337	293,004	0:14:30.3	0.8133	204,692	0.9387	ı	-		22,795	0.2331
OKOMUOIL	22 : 6,500-34,999	130	927,873	0:11:53.5	0.2752	616,883	0.8047	1	-		60,069	0.1058
OKOMUOIL	23 : 35,000-126,499	54	1,388,691	0:08:22.9	0.4232	1,086,075	1.0122		-		399,243	0.4012
OKOMUOIL	24: 126,500 & above	15	781,976	0:05:27.5	1.3853	727,171	2.6918		-		549,591	0.9805
PAINTCOM	21 : 0-6,499	6	7,122	0:00:31.2	0.0000	6,822	0.0004		-		-	
PAINTCOM	22 : 6,500-34,999	5	83,562	0:00:00.2	0.0018	83,562	0.0018		-		-	
PAINTCOM	23 : 35,000-126,499	1	98,730	0:00:00.0	0.0000	98,730	0.0000		-		-	
PAINTCOM	24: 126,500 & above	1	-	0:00:00.0		-			-		-	
PHARMDEKO	21 : 0-6,499	47	22,957	0:25:54.8	0.0027	20,947	0.0170		-		105	0.0148
PHARMDEKO	22 : 6,500-34,999	1	4,000	0:40:14.5	0.0000	4,000	0.0000		-		-	
PHARMDEKO	23 : 35,000-126,499	2	5,000	0:31:12.2	0.0000	5,000	0.0000	1	-		-	

#### Guidance

**Order Execution Summary over Market Maker Stocks** 

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	larketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
PORTPAINT	21 : 0-6,499	19	15,439	0:00:10.4	0.1644	15,139	0.1353		-	1,500	0.1490
PORTPAINT	22 : 6,500-34,999	6	35,561	0:00:43.0	0.0680	35,561	0.0711		-	-	-
PORTPAINT	23 : 35,000-126,499	2	60,000	0:00:00.0	0.0000	60,000	0.0000		-		-
PORTPAINT	24: 126,500 & above	3	3,100,000	0:00:00.0	-0.0016	3,100,000	0.0048		-		-
PRESCO	21 : 0-6,499	311	213,086	0:19:50.5	0.4390	110,989	1.2143		-	8,937	0.2584
PRESCO	22 : 6,500-34,999	105	603,750	0:18:51.2	0.7755	369,836	1.1199		-	137,804	0.3533
PRESCO	23 : 35,000-126,499	37	822,541	0:23:34.2	0.6091	559,971	1.7891		-	420,305	0.4622
PRESCO	24: 126,500 & above	8	4,420,406	0:00:00.4	2.5916	3,420,406	3.0462		-	2,420,406	2.4042
PRESTIGE	21 : 0-6,499	43	48,779	0:26:16.4	0.0089	37,648	0.0123		-		-
PRESTIGE	22 : 6,500-34,999	15	122,321	0:23:26.1	0.0174	102,321	0.0219		-	22,000	0.0148
PRESTIGE	23 : 35,000-126,499	22	522,992	0:30:27.9	-0.0098	270,000	0.0052		-	-	-
PRESTIGE	24: 126,500 & above	20	2,280,983	0:00:22.1	0.0273	2,131,577	0.0222		-	723,098	0.0092
PZ	21 : 0-6,499	406	500,481	0:20:10.6	0.2305	379,831	0.3669		-	29,188	0.0454
PZ	22 : 6,500-34,999	104	999,208	0:18:59.4	0.2688	728,442	0.4085		-	162,557	0.0705
PZ	23:35,000-126,499	51	1,498,816	0:38:57.4	0.0844	1,020,383	0.4303		-	494,661	0.1920

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable L	imit order exe	cution information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price	Price Dis-Improved ) Shares	SWA Price Dis-Imp. (N)
	Code: Share Size Range		Sildres	Speed	Spreau (N)	Executed Shares	Spreau (N)	Sildles	Imp. (N	) Stidles	Dis-IIIIp. (IV)
PZ	24: 126,500 & above	15	725,717	0:00:53.8	0.3515	725,717	0.6951		-	426,09	4 0.2536
REDSTAREX	21 : 0-6,499	95	94,915	0:16:18.5	0.0617	77,065	0.1439	)	-		-
REDSTAREX	22 : 6,500-34,999	56	303,918	0:19:01.1	0.0189	211,518	0.0945		-		-
REDSTAREX	23 : 35,000-126,499	42	380,180	0:04:23.5	0.2128	313,450	0.2147	,	-	29,00	0.1000
REDSTAREX	24 : 126,500 & above	14	2,215,405	0:11:54.2	0.1124	2,108,893	0.2038	1	-	412,19	3 0.1522
REGALINS	21 : 0-6,499	49	56,062	0:03:14.9	0.0116	55,062	0.0109	1	-		-
REGALINS	22 : 6,500-34,999	29	445,883	0:15:26.3	0.0062	364,883	0.0085	į	-		-
REGALINS	23 : 35,000-126,499	60	2,453,806	0:15:15.5	0.0044	1,846,202	0.0072		-		-
REGALINS	24: 126,500 & above	118	19,389,332	0:22:42.7	0.0021	13,225,454	0.0068	}	-	145,66	2 0.0069
ROYALEX	21 : 0-6,499	30	55,311	0:02:32.5	0.0070	44,944	0.0082		-		-
ROYALEX	22 : 6,500-34,999	41	561,987	0:11:46.4	0.0102	502,667	0.0084	;	13,000 0.0	0100	-
ROYALEX	23 : 35,000-126,499	53	2,836,599	0:19:27.6	0.0038	2,047,009	0.0073	}	-	100,00	0.0088
ROYALEX	24: 126,500 & above	66	13,380,502	0:35:13.6	0.0025	11,449,598	0.0071		-		-
RTBRISCOE	21 : 0-6,499	7	9,367	0:00:00.0	0.0000	9,367	0.0000	1	-		-
SCOA	21 : 0-6,499	1	100	0:00:00.0	0.0000	100	0.0000	)	-		-

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**Order Execution Summary over Market Maker Stocks** 

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable L	Limit orde	er executi	on information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	Pr	WA rice	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	In	np. (N)	Shares	Dis-Imp. (N)
SEPLAT	21 : 0-6,499	484	181,813	0:15:19.2	6.0543	128,604	13.2910	)	-		38,210	2.0770
SEPLAT	22 : 6,500-34,999	41	282,730	0:08:07.4	10.4890	225,075	15.3327	,	-		68,951	3.6090
SEPLAT	23 : 35,000-126,499	1	50,000	0:01:04.2	0.0000	50,000	0.0000	)	-		-	
SKYEBANK	21 : 0-6,499	404	710,556	0:04:36.9	0.0091	598,187	0.0108	3	10	0.0100	14,680	0.0147
SKYEBANK	22 : 6,500-34,999	372	4,382,921	0:08:12.5	0.0071	3,363,190	0.0101		-		100,900	0.0155
SKYEBANK	23 : 35,000-126,499	350	17,727,944	0:09:41.7	0.0004	12,543,340	0.0096	j	-		374,669	0.0119
SKYEBANK	24: 126,500 & above	612	342,947,723	0:14:09.9	0.0027	247,216,723	0.0145	į	-		34,519,345	0.0118
SKYESHELT	21 : 0-6,499	11	1,295	0:00:00.0	0.0000	1,295	0.0000	)	-		-	
SOVRENINS	21 : 0-6,499	41	87,187	0:06:01.8	0.0036	75,937	0.0054	ļ	-		3,000	0.0100
SOVRENINS	22 : 6,500-34,999	49	781,140	0:06:45.8	0.0042	671,140	0.0058	3	-		-	
SOVRENINS	23 : 35,000-126,499	92	6,111,858	0:09:49.3	0.0069	4,967,107	0.0094	ļ	-		100,000	0.0098
SOVRENINS	24: 126,500 & above	192	233,582,022	0:13:29.4	-0.0011	201,998,193	0.0044	ļ	-		12,556,000	0.0093
STACO	21 : 0-6,499	9	7,300	0:00:00.0	0.0000	7,300	0.0000	)	-		-	
STANBIC	21 : 0-6,499	343	404,632	0:06:20.1	0.4110	328,468	0.5614	<u> </u>	-		2,667	0.0062
STANBIC	22 : 6,500-34,999	127	1,035,260	0:16:12.7	0.3463	705,844	0.4426	<u> </u>	-		104,203	0.0506

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable	Limit or	der executi	on information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved		SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares		Imp. (N)	Shares	Dis-Imp. (N)
STANBIC	23:35,000-126,499	152	1,693,126	0:19:56.1	0.3014	959,801	0.4212		-		288,104	0.1787
STANBIC	24: 126,500 & above	58	35,309,857	0:01:12.0	-0.0001	18,340,701	0.4046	j	-		5,157,133	0.0491
STDINSURE	21 : 0-6,499	10	2,900	0:00:00.0	0.0000	2,900	0.0000		-		-	
STERLNBANK	21 : 0-6,499	995	3,993,963	0:02:09.9	-0.0025	3,040,392	0.0064		-		8,066	0.0100
STERLNBANK	22 : 6,500-34,999	2,767	35,784,902	0:01:19.0	0.0009	15,960,767	0.0045	;	25,000	0.0100	102,425	0.0171
STERLNBANK	23 : 35,000-126,499	946	44,751,215	0:07:25.1	-0.0120	18,903,812	0.0114	ļ	-		392,258	0.0226
STERLNBANK	24: 126,500 & above	423	189,534,194	0:03:26.1	0.0063	122,417,688	0.0293	}	-		7,386,682	0.0243
STUDPRESS	21 : 0-6,499	5	1,400	0:00:00.0	0.0286	1,400	0.0286	j	-		-	
STUDPRESS	22 : 6,500-34,999	3	24,000	0:50:33.9	0.0000	12,000	0.0000	)	-		-	
STUDPRESS	23 : 35,000-126,499	1	11,800	0:00:00.0	0.1800	11,800	0.1800	)	-		-	
TANTALIZER	21 : 0-6,499	9	6,050	0:00:00.0	0.0000	6,050	0.0000	)	-		-	
THOMASWY	21 : 0-6,499	10	9,996	0:00:00.0	0.0083	9,996	0.0083	}	-		-	
THOMASWY	22 : 6,500-34,999	2	34,359	0:00:00.0	0.0100	34,359	0.0100	)	-		-	
THOMASWY	23 : 35,000-126,499	6	209,618	0:08:33.5	0.0010	165,006	0.0031		-		-	
THOMASWY	24: 126,500 & above	2	305,232	0:00:00.0	0.0053	305,232	0.0053	}	-		-	

#### Guidance:

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Lir	nit order execu	tion information	
Security	Order Size Buckets Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved Shares	SWA Price	Price Dis-Improved	SWA Price Dis-Imp. (N)
		Code: Share Size Range	Orders	Sildres	Speed	Spread (N)	) Executed Shares	Spread (N)	Sildres	Imp. (N)	Shares
TIGERBRANDS	21 : 0-6,499	1,317	1,675,153	0:11:17.0	0.0662	1,204,437	0.1019	)	-	88,489	0.0817
TIGERBRANDS	22 : 6,500-34,999	790	8,276,309	0:14:53.2	0.0107	5,118,897	0.0831		-	415,217	0.0844
TIGERBRANDS	23 : 35,000-126,499	431	17,011,431	0:15:33.2	-0.0228	10,924,976	0.1064	ŀ	-	1,978,275	0.0909
TIGERBRANDS	24 : 126,500 & above	174	31,901,722	0:26:55.9	0.0610	28,497,475	0.2121	L	-	9,731,158	0.0990
TOTAL	21 : 0-6,499	452	203,730	0:25:29.1	0.2941	131,539	3.6898	3	-	20,143	1.6231
TOTAL	22 : 6,500-34,999	40	226,668	0:14:19.1	1.9796	180,756	4.2894	ŀ	-	85,100	0.3751
TOTAL	23:35,000-126,499	23	279,143	0:00:54.5	4.7995	245,797	9.9699	)	-	219,346	3.5172
TOURIST	21 : 0-6,499	2	1,500	0:00:00.0	0.0000	1,500	0.0000	)	-	-	
TRANSCORP	21 : 0-6,499	677	1,410,778	0:09:22.5	0.0086	982,013	0.0136	,	-	15,797	0.0229
TRANSCORP	22 : 6,500-34,999	765	9,169,078	0:08:34.6	0.0044	5,839,242	0.0113	3	-	114,100	0.0132
TRANSCORP	23 : 35,000-126,499	1,087	45,370,677	0:12:48.3	-0.0001	26,787,933	0.0114	ļ	-	1,483,224	0.0164
TRANSCORP	24: 126,500 & above	1,431	410,886,008	0:15:59.0	0.0011	286,521,924	0.0177	7	-	52,061,246	0.0180
TRANSEXPR	21 : 0-6,499	13	16,314	0:21:07.8	-0.0134	10,114	0.0062	2	-	-	
TRANSEXPR	22 : 6,500-34,999	9	68,086	0:03:22.7	0.0556	68,086	0.0558	3	-	30,000	0.0283
TRANSEXPR	23 : 35,000-126,499	5	98,200	0:33:50.9	0.0105	98,000	0.0407	7	-		

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Lin	nit order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
TRANSEXPR	24: 126,500 & above	1	150	1:54:07.0	0.0900	150	0.0900		-	150	0.0400
TRIPPLEG	21 : 0-6,499	6	3,317	0:00:00.0	0.0000	3,317	0.0000	ı	-	-	-
TRIPPLEG	22 : 6,500-34,999	6	142,000	0:00:00.0	0.0000	142,000	0.0000	ı	-	-	-
TRIPPLEG	23 : 35,000-126,499	167	14,847,812	0:00:00.0	0.0000	14,847,812	0.0000	ı	-	-	-
UAC-PROP	21 : 0-6,499	164	228,509	0:14:54.7	0.0650	172,400	0.0839		-	2,500	0.0900
UAC-PROP	22 : 6,500-34,999	129	1,185,053	0:17:48.4	0.0328	830,397	0.0564		-	83,802	2 0.0635
UAC-PROP	23 : 35,000-126,499	113	3,184,007	0:31:05.6	0.0000	1,887,066	0.0527	1	-		=
UAC-PROP	24: 126,500 & above	50	6,027,740	0:21:47.3	0.0160	4,269,489	0.0912		-	2,098,363	3 0.0908
UACN	21 : 0-6,499	644	869,271	0:14:01.7	0.1202	602,070	0.2038	1	-	68,311	0.1122
UACN	22 : 6,500-34,999	227	2,489,286	0:12:53.9	0.0718	1,886,532	0.1881		-	171,986	0.1887
UACN	23 : 35,000-126,499	150	7,212,145	0:10:06.9	0.0056	5,587,571	0.1628		-	656,045	0.1251
UACN	24: 126,500 & above	84	63,783,871	0:01:15.6	-0.0131	33,273,012	0.1518		-	4,385,085	0.0632
UBA	21 : 0-6,499	1,580	2,607,792	0:06:37.9	0.0352	1,847,486	0.0480		-	34,078	3 0.0445
UBA	22 : 6,500-34,999	1,038	13,129,190	0:07:01.3	0.0279	8,524,935	0.0433		-	264,592	2 0.0368
UBA	23 : 35,000-126,499	1,042	52,601,602	0:09:44.0	0.0091	31,896,972	0.0379	ı	-	841,479	0.0657

#### Guidance

## **Order Execution Summary over Market Maker Stocks**

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Lin	nit order execu	tion information	
Security	Order Size Buckets  Code: Share Size Range	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
		Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
UBA	24: 126,500 & above	1,304	1,338,461,610	0:03:05.0	0.0021	724,622,334	0.0782		-	359,887,440	0.0892
UBN	21 : 0-6,499	695	870,334	0:08:57.5	0.0637	676,151	0.0875		-	29,076	0.0487
UBN	22 : 6,500-34,999	355	3,594,977	0:15:39.3	0.0335	2,410,399	0.0746	i	-	162,152	0.0548
UBN	23:35,000-126,499	202	6,560,025	0:23:39.4	-0.0234	3,666,818	0.0804		-	731,028	0.0750
UBN	24: 126,500 & above	75	11,705,684	0:12:27.1	0.0631	7,888,863	0.1432		-	3,624,771	0.1048
UCAP	21 : 0-6,499	746	1,218,184	0:09:35.8	0.0119	855,954	0.0239		-	20,058	0.0131
UCAP	22 : 6,500-34,999	570	6,427,636	0:16:39.3	0.0044	3,570,052	0.0209		-	178,795	0.0162
UCAP	23:35,000-126,499	567	23,424,079	0:14:45.1	0.0072	14,373,506	0.0227	,	-	1,920,125	0.0183
UCAP	24: 126,500 & above	396	67,592,663	0:13:00.1	0.0114	45,482,355	0.0300		-	11,020,484	0.0177
UHOMREIT	21 : 0-6,499	1	50	0:00:00.0	0.0000	50	0.0000		-	-	
UNIC	21 : 0-6,499	10	21,300	0:00:06.5	0.0000	21,300	0.0000		-	-	
UNIC	22 : 6,500-34,999	3	34,500	0:00:00.0	0.0000	34,500	0.0000		-	-	
UNIC	23 : 35,000-126,499	6	370,000	0:00:00.0	0.0000	370,000	0.0000	)	-	-	
UNIC	24: 126,500 & above	7	781,530	0:00:59.8	0.0000	781,530	0.0000	)	-	-	
UNILEVER	21 : 0-6,499	681	655,801	0:14:17.9	0.5869	460,794	1.0249	)	-	37,268	0.3529

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable	Limit or	der executi	ion information	
Security	Order Size Buckets  Code: Share Size Range	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved		SWA Price	Price Dis-Improved	SWA Price
		Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares		Imp. (N)	Shares	Dis-Imp. (N)
UNILEVER	22 : 6,500-34,999	216	1,791,993	0:13:02.7	0.5036	1,104,643	0.8025		21,461	0.0183	3 239,301	0.1844
UNILEVER	23 : 35,000-126,499	80	1,805,089	0:04:23.8	0.5002	1,604,639	1.2167	ı	-		369,217	0.3202
UNILEVER	24: 126,500 & above	27	21,142,963	0:00:01.2	0.3575	18,417,844	1.5650		-		9,223,219	0.7914
UNIONDAC	21 : 0-6,499	2	1,000	0:00:00.0	0.0000	1,000	0.0000		-		-	
UNIONDAC	23 : 35,000-126,499	1	70,000	0:00:00.0	0.0000	70,000	0.0000		-		-	
UNIONDICON	21 : 0-6,499	2	1,100	0:00:00.0	0.0000	1,100	0.0000		-		-	
UNITYBNK	21 : 0-6,499	194	276,156	0:09:20.3	0.0033	229,722	0.0177	ı	-		6,000	0.0055
UNITYBNK	22 : 6,500-34,999	135	1,195,855	0:08:10.9	0.0012	839,830	0.0187	ı	-		62,240	0.0099
UNITYBNK	23 : 35,000-126,499	227	8,724,513	0:12:09.4	-0.0038	6,208,429	0.0174		-		371,016	0.0260
UNITYBNK	24: 126,500 & above	208	33,958,742	0:17:49.4	0.0081	26,530,601	0.0300		-		6,183,206	0.0252
UPL	21 : 0-6,499	124	161,519	0:23:35.1	0.0125	101,242	0.0339	ı	-		9,531	0.0111
UPL	22 : 6,500-34,999	118	630,515	0:26:31.2	0.0158	414,165	0.0390		-		20,000	0.0903
UPL	23 : 35,000-126,499	109	2,020,466	0:30:07.2	-0.0013	1,160,256	0.0385		-		145,000	0.0157
UPL	24: 126,500 & above	51	2,091,275	0:01:38.4	0.0389	2,050,695	0.1118		-		895,551	0.0541
VANLEER	21 : 0-6,499	8	2,536	0:00:00.0	0.2800	2,536	0.2800	l	-		-	

#### Guidance:

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	М	arket and N	1arketable Limit	order execu	tion information	
Security	Order Size Buckets	Number of	Total Executed	SWA Execution	SWA Realized	Market/ Marketable Limit	SWA Effective	Price Improved	SWA Price	Price Dis-Improved	SWA Price
,	Code: Share Size Range	Orders	Shares	Speed	Spread (N)	Executed Shares	Spread (N)	Shares	Imp. (N)	Shares	Dis-Imp. (N)
VANLEER	22 : 6,500-34,999	1	-	0:00:00.0		-	-		-	-	
VERITASKAP	21 : 0-6,499	18	35,245	0:14:03.1	0.0043	28,945	0.0035		-	-	
VERITASKAP	22 : 6,500-34,999	17	146,158	0:00:00.0	0.0098	146,158	0.0083		-	-	
VERITASKAP	23 : 35,000-126,499	27	1,147,926	0:17:32.8	-0.0006	997,926	0.0025		-	-	
VERITASKAP	24: 126,500 & above	60	22,375,234	0:16:40.3	0.0034	18,430,492	0.0098	}	-	3,290,200	0.0094
VITAFOAM	21 : 0-6,499	221	283,284	0:15:40.1	0.0162	198,053	0.0498	}	-	-	
VITAFOAM	22 : 6,500-34,999	142	1,329,410	0:18:13.0	0.0018	831,941	0.0423		-	67,520	0.0360
VITAFOAM	23 : 35,000-126,499	155	4,547,145	0:16:56.9	-0.0107	3,262,197	0.0486	)	-	625,308	0.0165
VITAFOAM	24: 126,500 & above	35	2,420,653	0:11:53.3	0.0407	2,017,453	0.0741		-	130,000	0.0058
WAPCO	21 : 0-6,499	1,269	1,646,857	0:07:53.0	0.1909	1,097,207	0.2943		-	81,213	0.0929
WAPCO	22 : 6,500-34,999	808	8,391,348	0:08:00.6	0.1165	5,367,770	0.2427	10,3	31 0.050	00 698,868	0.0990
WAPCO	23 : 35,000-126,499	256	9,213,480	0:07:16.4	0.1439	7,281,641	0.3213	}	-	2,084,841	0.1062
WAPCO	24: 126,500 & above	24	5,007,420	0:00:38.5	0.0544	3,581,317	0.4015	<u> </u>	-	1,636,038	0.3636
WEMABANK	21 : 0-6,499	323	520,661	0:13:42.5	0.0079	375,571	0.0178	<u> </u>	-	11,200	0.0136
WEMABANK	22 : 6,500-34,999	292	3,617,931	0:20:32.1	0.0052	2,728,163	0.0158	<u> </u>	-	37,400	0.0095

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## **Market Execution Quality Summary: April 2018**

### Market Quality - Average execution speed, effective & realized spreads and price improvements/dis-improvements

	Order Bucke	ets	All order	execution informa	tion	M	arket and M	larketable Limit	order execut	ion information	
Security	Order Size Buckets  Code: Share Size Range	Number of Orders	Total Executed Shares	SWA Execution Speed	SWA Realized Spread (N)	Market/ Marketable Limit Executed Shares	SWA Effective Spread (N)	Price Improved Shares	SWA Price Imp. (N)	Price Dis-Improved Shares	SWA Price Dis-Imp. (N)
WEMABANK	23:35,000-126,499	312	14,071,547	0:18:38.6	0.0012	9,255,782	0.0145		-	749,127	0.0162
WEMABANK	24: 126,500 & above	375	71,731,411	0:20:58.7	0.0045	49,348,024	0.0231		-	13,436,169	0.0200
ZENITHBANK	21 : 0-6,499	3,460	5,763,895	0:05:34.4	0.0371	3,908,085	0.0535		-	70,894	0.0507
ZENITHBANK	22 : 6,500-34,999	2,138	26,898,755	0:07:11.4	0.0320	16,470,298	0.0496	20,00	0.0118	3 780,976	0.0468
ZENITHBANK	23 : 35,000-126,499	1,912	92,557,323	0:08:37.5	0.0062	49,902,657	0.0443	131,33	39 0.040	5 2,821,435	0.0603
ZENITHBANK	24: 126,500 & above	1,501	1,175,397,847	0:02:19.1	0.0067	647,905,616	0.0720		-	158,575,415	0.0813

#### Guidance: