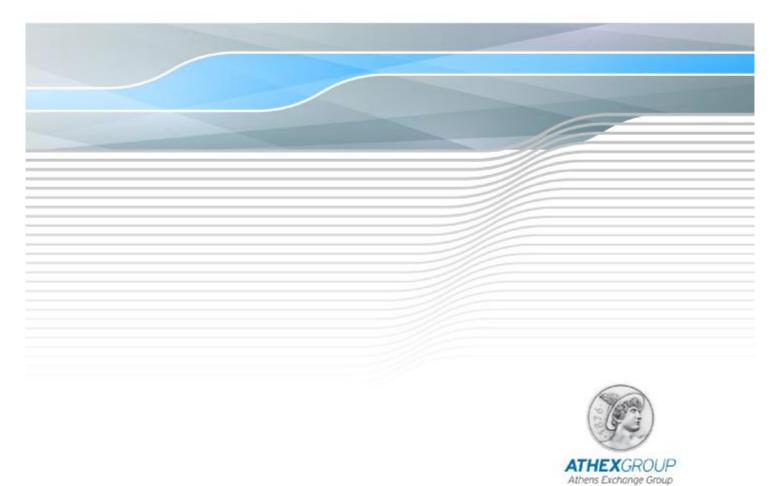
Ημερήσιο Δελτίο Συναλλακτικής Δραστηριότητας Daily Official List of Trading Activity

Tuesday, 19 November, 2019 Year: 140 Trading Day No: 220



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Table of Contents

Section 1: Statistical Figures of Securities, Derivatives and Lending Summary of Markets
Athex Indices Analytic Figures for Athex Market's Boards and Categories Trading Details by Athex Sectors and Financial Instruments (ETFs) Top 10 best & worst performing Shares Derivatives Summary
Section 2: Analytic Figures of Shares Transactions Analytic Figures of Shares Transactions Shares' Notes
Section 3: Figures of Securities Transactions Securities Blocks Details Shares Rights Details
Stock Borrowing Securities Forced Sales Forced Sales Registered Shares Exchange Traded Funds (ETFs) Characteristics
Section 5: Bonds traded in Fixed Income Assets Market Convertible Corporate Bonds - Regulated Market Non Convertible Corporate Bonds - Regulated Market Government Bonds Treasury Bills & Zero Coupon Government Bonds Government Bonds Traded with the Open Outcry Method State Banks Bonds Section 6: Additional Infos
Athex & ATHEXClear Members List List of Stocks under Market Making operations
Section 7: Derivatives Market Analytic Figures Index Futures Stock Futures

Stock Futures Index Options Stock Options Stock Lending Analytic Figures Appendix A: Sectors codification for listed companies

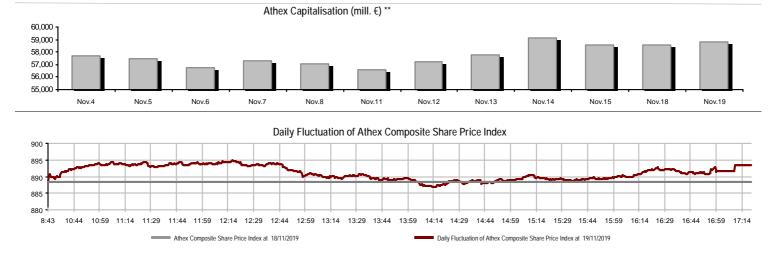
Section codification follows the corresponding from the Greek version of Daily Official List for reference purposes.

Section 1: Statistical Figures of Securities, Derivatives and Lending

Summary of Markets



	50.044./7			070 7/0	
Athex Capitalisation (mill. €) **:	58,844.67		Derivatives Total Open Interest	378,768	
Daily change: mill. € %	247.85	0.42%	in Index Futures % daily chng	10,872	9.71%
Yearly Avg Capitalisation: mill. € % chng prev year Avg	54,059.90	3.70%	in Stock Futures % daily chng	365,377	1.82%
Athex Composite Share Price Index % daily chng	893.37	0.57%	in Index Options % daily chng	1,343	21.76%
Athex Composite Share Price Index Capitalisation (mill. €) Daily change (mill. €)	53,824.91 205.01		in Stock Options % daily chng	1,176	13.08%
Securities' Transactions Value with Block Trades Method 6-1 (74,411.96		Derivatives Contracts Volume:	24,477	
Daily change: %	-14,462.30	-16.27%	Daily change: pieces %	-4,247	-14.79%
YtD Avg Trans. Value: thou. ${\ensuremath{\in}} \mid {\ensuremath{\%}}$ chng prev year Avg	65,605.49	19.45%	YtD Avg Derivatives Contracts % chng prev year Avg	41,684	-25.58%
Blocks Transactions Value of Method 6-1 (thou. €)	10,331.52		Derivatives Trades Number:	1,911	
Blocks Transactions Value of Method 6-2 & 6-3 (thou. €)	100.81		Daily change: number %	-993	-34.19%
Bonds Transactions Value (thou.€)	705.89		YtD Avg Trades number % chng prev year Avg	2,889	6.56%
Securities' Transactions Volume with Block Trades Method 6-1 (th 24,578.	03	Lending Total Open Interest	285,176	
Daily change: thou. pieces %	-7,095.67	-22.40%	Daily change: pieces %	99,827	53.86%
YtD Avg Volume: % chng prev year Avg	32,951.61	-11.31%	Lending Volume (Multilateral/Bilateral)	39,700	
Blocks Transactions Volume of Method 6-1 (thou. Pieces)	2,201.83		Daily change: pieces %	-115,884	
Blocks Transactions Volume of Method 6-2 & 6-3 (thou. Pieces	60.00				
Bonds Transactions Volume	689,000		Multilateral Lending	0	
			Bilateral Lending	39,700	
Securities' Trades Number with Block Trades Method 6-1	36,693		Lending Trades Number:	3	-78.57%
Daily change: number %	-4,449	-10.81%	Daily change: %	-11	
YtD Avg Trades number % chng prev year Avg	27,324	34.40%	Multilateral Lending Trades Number	0	
Number of Blocks Method 6-1	6		0	3	
Number of Blocks Method 6-2 & 6-3	1		Bilateral Lending Trades Number	3	
Number of Bonds Transactions	62				





Daily Official List	
Section 1: Statistical Figures of Securities, Derivatives and Lending	

Athex Indices

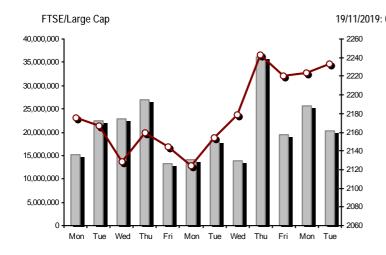
Index name	19/11/2019	18/11/2019	pts.	%	Min	Max	Year min	Year max	Year change
Athex Composite Share Price Index	893.37 #	888.29	5.08	0.57%	886.86	894.82	600.12	901.57	45.67% #
FTSE/Athex Large Cap	2,232.79 #	2,223.42	9.37	0.42%	2,216.36	2,242.51	1,580.73	2,270.46	38.82% #
FTSE/Athex Mid Cap Index	1,218.66 #	1,214.49	4.17	0.34%	1,210.85	1,222.09	945.49	1,467.88	24.98% #
FTSE/ATHEX-CSE Banking Index	692.81 #	685.76	7.05	1.03%	679.46	699.09	275.15	699.47	108.21% #
FTSE/ATHEX Global Traders Index Plus	2,334.08 #	2,329.45	4.63	0.20%	2,323.87	2,341.85	1,947.04	2,479.89	17.03% #
FTSE/ATHEX Global Traders Index	2,452.88 #	2,443.99	8.89	0.36%	2,437.12	2,456.10	1,866.67	2,517.12	29.28% #
FTSE/ATHEX Mid & Small Cap Factor-Weighted Ind	2,890.37 #	2,887.14	3.23	0.11%	2,871.29	2,910.50	2,173.67	2,922.83	30.48% #
ATHEX Mid & SmallCap Price Index	5,850.95 #	5,812.79	38.16	0.66%	5,786.34	5,850.95	3,914.71	5,994.42	47.67% #
FTSE/Athex Market Index	553.27 #	550.95	2.32	0.42%	549.23	555.63	392.32	563.60	38.61% #
FTSE Med Index	4,960.09 #	4,941.65	18.44	0.37%			3,966.78	4,960.28	25.10% #
Athex Composite Index Total Return Index	1,456.35 #	1,448.06	8.29	0.57%	1,445.74	1,458.72	952.47	1,466.98	49.62% #
FTSE/Athex Large Cap Total Return	3,300.08 #	3,286.24	13.84	0.42%			2,321.35	3,347.07	41.03% #
FTSE/ATHEX Large Cap Net Total Return	1,012.88 #	1,008.63	4.25	0.42%	1,005.43	1,017.29	692.89	1,027.12	43.67% #
FTSE/Athex Mid Cap Total Return	1,484.53 #	1,479.45	5.08	0.34%			1,180.35	1,784.30	23.35% #
FTSE/ATHEX-CSE Banking Total Return Index	605.55 #	599.39	6.16	1.03%			265.40	605.55	93.18% #
Hellenic Mid & Small Cap Index	1,209.74 #	1,204.51	5.23	0.43%	1,201.26	1,209.85	884.70	1,269.98	33.43% #
FTSE/Athex Banks	915.36 #	906.06	9.30	1.03%	897.74	923.67	363.54	924.17	108.21% #
FTSE/Athex Financial Services	1,004.27 #	999.19	5.08	0.51%	992.80	1,010.30	744.92	1,191.69	28.71% #
FTSE/Athex Industrial Goods & Services	2,615.10 #	2,612.07	3.03	0.12%	2,600.00	2,635.94	1,884.26	2,967.88	36.95% #
FTSE/Athex Retail	77.62 #	74.86	2.76	3.69%	74.35	77.62	58.44	82.89	29.56% #
FTSE/ATHEX Real Estate	4,914.41 #	4,842.50	71.91	1.48%	4,825.94	4,933.92	2,928.70	6,158.58	62.73% #
FTSE/Athex Personal & Household Goods	9,759.00 #	9,750.45	8.55	0.09%	9,634.61	9,852.16	6,649.54	9,943.56	41.88% #
FTSE/Athex Food & Beverage	10,634.21 @	10,703.89	-69.68	-0.65%	10,570.81	10,803.31	10,000.70	13,120.06	5.18% #
FTSE/Athex Basic Resources	6,701.32 #	6,679.50	21.82	0.33%	6,619.28	6,742.34	3,146.82	11,171.70	104.26% #
FTSE/Athex Construction & Materials	2,958.62 #	2,943.13	15.49	0.53%	2,919.86	2,958.62	2,437.75	3,183.37	14.57% #
FTSE/Athex Oil & Gas	5,224.11 #	5,204.54	19.57	0.38%	5,176.61	5,224.39	4,612.01	5,758.60	7.49% #
FTSE/Athex Chemicals	8,971.50 #	8,964.09	7.41	0.08%	8,878.84	9,041.94	7,722.79	11,217.47	9.73% #
FTSE/Athex Travel & Leisure	1,688.64 #	1,682.68	5.96	0.35%	1,675.99	1,695.28	1,309.57	1,754.14	27.63% #
FTSE/Athex Technology	884.61 #	868.46	16.15	1.86%	868.46	886.01	692.80	1,087.14	24.73% #
FTSE/Athex Telecommunications	3,715.97 #	3,680.19	35.78	0.97%	3,680.19	3,718.72	2,614.94	3,771.02	41.81% #
FTSE/Athex Utilities	2,865.43 #	2,847.75	17.68	0.62%	2,836.23	2,866.66	1,729.19	2,923.15	62.90% #
FTSE/Athex Health Care	497.96 ¬	497.96	0.00	0.00%	497.96	497.96	460.82	512.40	-1.63% Œ
Athex All Share Index	207.20 #	206.36	0.84	0.41%	207.20	207.20	157.01	215.26	31.12% #
Hellenic Corporate Bond Index	121.18 @	121.20	-0.03	-0.02%			116.31	121.33	4.16% #
Hellenic Corporate Bond Price Index	96.79 G	96.83	-0.05	-0.05%			95.04	97.19	1.04% #

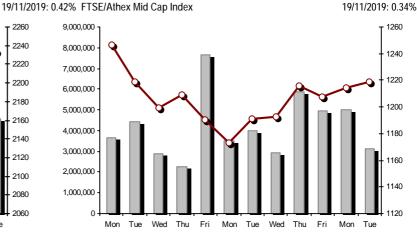
Note 1: FTSE/Med 100, Hellenic Corporate Bond Price Index and Hellenic Corporate Bond Index closing prices refer to the previous trading day of 15/11/2019.

Note 2: The Hellenic Mid & Small Cap Index is a Customized index calculated by the Athens Exchange.

19/11/2019: 0.36%

Athex Indices



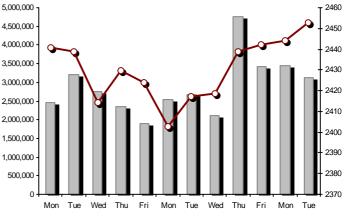


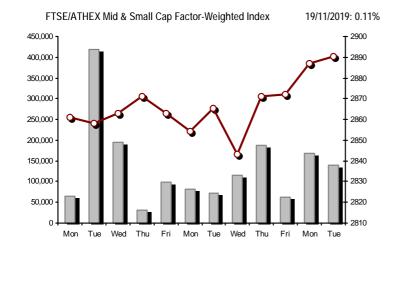
FTSE/ATHEX Global Traders Index Plus



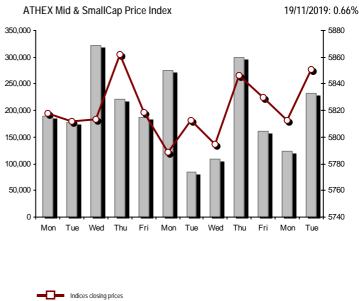
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FTSE/ATHEX Global Traders Index





Indices volume of transactions



Section 1: Statistical Figures of Securities, Derivatives and Lending

Analytic Figures for Athex Market's Boards and Categories

	Total Traded Securities	Main Market	Surveillance	Exchange Traded Funds (ETFs)	
Totals	126	107	18	1	
Gain / Lose / Same:	65 / 37 / 24	58 / 32 / 17	6/5/7	1/0/0	
Athex Capitalisation (mill. €) **	58,844.67	58,544.58	300.10		
Daily Average Trans/ons Value(thou.€)	65,605.49	65,577.13	52.82	42.55	
Transactions Value	74,512.77	73,916.42	95.14	501.21	
Main Board:	64,080.45	63,484.10	95.14	501.21	
Blocks Board 6_2_3:	10,432.32	10,432.32	0.00	0.00	
Forced Sales Board:	0.00	0.00	0.00	0.00	
Special Terms Board:	0.00	0.00	0.00	0.00	
Daily Average Transactions Volume	32,951,612	32,600,846	377,919	1,944	
Transactions Volume	24,638,030	24,152,790	463,354	21,886	
Main Board:	22,376,202	21,890,962	463,354	21,886	
Blocks Board 6_2_3:	2,261,828	2,261,828	0	0	
Forced Sales Board:	0	0	0	0	
Special Terms Board:	0	0	0	0	
Daily Average Number of Trades	27,324	27,174	148	3	
Number of Trades	36,694	36,475	212	7	
Main Board:	36,687	36,468	212	7	
Blocks Board 6_2_3:	7	7	0	0	
Forced Sales Board:	0	0	0	0	
Special Terms Board:	0	0	0	0	

Trading Details by Athex Sectors and Financial Instruments (ETFs)

Code	Sectors	Gain / Lose / Same	Number of Trades	Transactions Volume	Transactions Value	% of Total Trans. Value
3010	- Banks	3/2/1	21,593	16,696,921	31,611,265.34	42.42%
5510	- Basic Resources	4 / 5 / 4	364	157,968	163,133.40	0.22%
5010	- Construction & Materials	8/4/2	1,487	734,767	2,104,360.00	2.82%
4020	- Consumer Products & Services	4 / 2 / 0	1,447	256,693	2,340,642.07	3.14%
6010	- Energy	2/1/1	949	162,752	1,913,351.61	2.57%
12000	- Financial Instruments	1/0/0	7	21,886	501,212.00	0.67%
3020	- Financial Services	2/1/1	740	1,855,893	612,351.38	0.82%
4510	- Food Beverage & Tobacco	7/3/1	441	147,362	1,974,854.47	2.65%
2010	- Health Care	2/1/0	54	29,186	20,265.95	0.03%
5020	- Industrial Goods & Service	7/7/5	1,917	826,066	3,378,891.50	4.53%
3030	- Insurance	0/1/0	55	8,920	44,352.10	0.06%
4030	- Media	0/0/2	5	295	61.90	0.00%
4520	- Personal Care, Drug & Grocery Stores	2/1/0	385	88,851	608,832.91	0.82%
3510	- Real Estate	4/3/2	726	285,772	1,662,961.46	2.23%
4040	- Retail	3/1/1	225	145,120	550,457.68	0.74%
1010	- Technology	4 / 1 / 2	1,013	328,087	602,759.80	0.81%
1510	- Telecommunications	3/2/0	2,028	1,583,246	19,833,137.57	26.62%
4050	- Travel & Leisure	5/1/2	1,760	636,124	4,344,221.57	5.83%
6510	- Utilities	4/1/0	1,498	672,121	2,245,657.79	3.01%
			•			

Section 1: Statistical Figures of Securities, Derivatives and Lending

Top 10 best & worst performing Shares

		Main	Market		
With positive Price change	Closing price	change	With negative Price change	Closing price	change
MLS MULTIMEDIA SA (CR)	1.66	20.29% #	ATTICA BANK S.A. (CR)	0.4355	-2.14% G
INFORM P. LYKOS SA (CR)	1.595	6.69% #	KEKROPS SA (CR)	2.75	-1.79% Œ
AS COMPANY SA (CR)	3.09	3.69% #	BRIQ PROPERTIES (CR)	2.22	-1.77% Œ
BYTE COMPUTER SA (CR)	1.11	2.78% #	AVAX S.A. (CR)	0.708	-1.67% @
TECHNICAL OLYMPIC SA (CR)	2.4	2.56% #	INTRACOM CONSTR. (CR)	1.785	-1.38% Œ
NATIONAL BANK (CR)	3.13	2.56% #	VIOHALCO SA/NV (CB)	3.725	-1.19% @
PIRAEUS BANK (CR)	3.176	2.39% #	MARFIN INVESTMENT GROUP (CR)	0.1	-0.99% Œ
KLOUKINAS - LAPPAS SA (CR)	0.8	2.30% #	INTRALOT (CR)	0.3965	-0.88% Œ
PROFILE SA (CR)	3.56	2.30% #	CRETE PLASTICS SA (CR)	13	-0.76% Œ
ATTICA HOLDINGS (CR)	1.35	2.27% #	ALPHA BANK (CR)	1.906	-0.73% Œ
With the highest Transactions Value	Value (thou. €)	change	With the highest Transactions Volume	Volume	change
OTE (CR)	19,638.10	0.97% #	EUROBANK ERGASIAS (CR)	6,242,578	1.44% #
NATIONAL BANK (CR)	10,994.49	2.56% #	ALPHA BANK (CR)	4,935,470	-0.73% Œ
ALPHA BANK (CR)	9,465.92	-0.73% d	E NATIONAL BANK (CR)	3,543,462	2.56% #
EUROBANK ERGASIAS (CR)	6,095.60	1.44% #	MARFIN INVESTMENT GROUP (CR)	1,760,543	-0.99% Œ
PIRAEUS BANK (CR)	4,804.55	2.39% #	PIRAEUS BANK (CR)	1,518,305	2.39% #
OPAP (CR)	3,891.67	0.31% #	OTE (CR)	1,461,249	0.97% #
MYTILINEOS (CR)	2,430.53	0.30% #	PPC (CR)	502,799	1.53% #
CC HBC AG (CR)	1,878.16	-0.66% 0	E ATTICA BANK S.A. (CR)	453,507	-2.14% G
JUMBO SA (CR)	1,737.41	-0.11% 0	e opap (CR)	396,710	0.31% #
PPC (CR)	1,591.89	1.53% #	ELLAKTOR (CR)	330,047	-0.34% G

Note: Stocks that are not included in the "Low Dispersion" and "Under Supervision" categories, and the transactions value is more than 10,000 €.

		r: 140 Trading Day No: 220 uesday, 19 November, 2019
Number of Trades	Volume	Open Interest
219	1,224	10,872
219	1,224	10,872
1,648	22,663	365,377
14	81	7,526
		54,679
3	3	7,477
50	76	530
3	15	7,716
87	723	20,272
89	1,650	35,861
1	1	362
0	0	201
11	134	10,218
14	33	2,665
9	16	2,175
0	0	3,797
28	149	5,911
47	63	552
24	139	1,873
64	1,636	80,000
5	12	563
39	143	12,745
330	6,394	43,871
87	618	6,051
10	107	2,157
0	0	726
314	3,098	30,219
58	435	16,070
17	43	4,843
1	1	73
24	107	6,244
41	570	1,343
41	570	1,343
3	20	1,176
0	0	40
		625
		19
		245
		133
		114
		378,768
	219 1,648 14 319 3 50 3 50 3 70 1 0 11 0 11 14 9 0 11 14 9 0 11 14 9 0 28 47 24 64 5 39 330 87 10 0 314 58 17 1 24 41	Number of Trades Volume 219 1,224 219 1,224 219 1,224 219 1,224 219 1,224 219 1,224 219 1,224 219 1,224 219 6,986 3 3 50 76 3 15 8 723 89 1,650 1 1 0 0 1 134 41 33 9 1.6 0 0 1 1.4 33 1.4 34 330 64 1,636 5 12 39 143 300 6,394 87 618 10 107 0 0 11 1 12 107 43 <td< td=""></td<>

Daily Official List Section 2: Analytic F	Figures	of Share	s Transactions	S															Year: 140 Tuesda	0	,	No: 220 er, 2019
Number of Outstanding Securities Nominal Value		dends [1] 2017 20	Date of Lasi 18 Dividend [2]	· No	te Shares	Closing price	% change	Previous closing price/date	Open price	Price Price Last A min max price p	٦vy	Last Bid [7]	Last Ask [7]	P/E after	Year	Volume	Trades	Transactions Value[8]	Company Mk Value (thou. +			
Main Market - H	High L	iquidi	y Class																			
1,543,699,381 0.300			07/04/2008	18/04/2017 -	ALPHA BANK (CR)	1.906	-0.73 Œ	1.92 18/11/2019	1.94	1.885 1.961 1.906	1.918	3 5699@1.91	1000@1.91			4,935,470	9,772	9,465,916.1	2 2,942,291.02	0.841	1.983	30101010
461,254,013 0.300			04/06/2008	30/04/2018 -	ATTICA BANK S.A. (CR)	0.4355	-2.14 CE	0.445 18/11/2019	0.4425	0.434 0.4525 0.4355	0.441	400@0.434	3300@0.440			453,507	340	200,212.9	200,876.12	0.0992	0.62	30101010
190,162,681				07/12/2016 -	CENERGY HOLDINGS (CB)	1.36	0.15 #	1.358 18/11/2019	1.354	1.344 1.362 1.36	1.356	577@1.34	7665@1.36			45,417	119	61,565.3	34 258,621.25	1.182	1.61	50202010
369,285,526 6.70	0.44	0.54	2.57 04/07/2019	29/04/2013 -	CC HBC AG (CR)	28.49	-0.66 Œ	28.68 18/11/2019	28.7	28.32 28.95 28.49	28.543	8 10@28.38	100@28.55			65,800	311	1,878,160.9	9310,520,944.64	26.81	35.2	45101020
51,807,314 0.810			21/06/2010	23/07/2019 -	FOURLIS (CR)	5.52	-0.54 Œ	5.55 18/11/2019	5.52	5.52 5.59 5.52	5.551	470@5.49	119@5.59			30,694	171	170,367.9	95 285,976.37	3.775	5.86	40401010
76,000,000 1.00			03/07/2007	17/09/2018 -	INTRACOM HOLDINGS (CR)	0.88	-0.45 Œ	0.884 18/11/2019	0.88	0.874 0.889 0.88	0.878	300@0.877	1213@0.880			83,655	107	73,481.2	9 66,880.00	0.61	1.202	15101010
136,059,759 0.880	0.36	0.36	0.39 11/11/2019	05/03/2014 -	JUMBO SA (CR)	18.58	-0.11 (E	18.6 18/11/2019	18.8	18.38 18.83 18.58	18.598	8 1500@18.50	702@18.60			93,417	1,114	1,737,413.3	33 2,527,990.32	12.22	18.88	40203045
79,721,775 0.300			30/05/2007	23/06/2014 -	LAMDA DEVELOPMENT SA (CR)	7.78	1.83 #	7.64 18/11/2019	7.69	7.61 7.82 7.78	7.71	14791@7.75	805@7.79			193,451	548	1,491,507.2	21 620,235.41	5.62	10.1	35101010
939,510,748 0.300			26/04/2007	29/08/2014 -	MARFIN INVESTMENT GROUP (CR	2) 0.1	-0.99 Œ	0.101 18/11/2019	0.1022	0.0994 0.103 0.1	0.101	3500@0.100	10000@0.100			1,760,543	361	177,271.3	93,951.07	0.067 0	.1592	30202000
82,447,868				23/07/2019 -	TITAN CEMENT (CB)	18.56	0.87 #	18.4 18/11/2019	18.18	18.18 18.56 18.56	18.411	5@18.54	256@18.58			35,258	351	649,124.7	6 1,530,232.43	17.86	20	50101030
259,189,761				26/02/2016 -	VIOHALCO SA/NV (CB)	3.725	-1.19 (E	3.77 18/11/2019	3.76	3.69 3.8 3.725	3.772	2 4084@3.72	1506@3.73			113,501	295	428,082.3	965,481.86	2.45	4.495	50203000
232,000,000 2.12		0	0601 02/08/2019	19/06/2017 -	ADMIE (IPTO) HOLDING S.A. (CR)	2.21	1.38 #	2.18 18/11/2019	2.21	2.18 2.22 2.21	2.198	3846@2.20	17851@2.21	12.13	2018	111,460	227	244,955.9	8 512,720.00	1.46	2.29	6510101
71,417,100 0.650	0.4	0.55	0.6 03/06/2019	27/06/2014 -	AEGEAN AIRLINES (CR)	8.2	0.99 #	8.12 18/11/2019	8.18	8.1 8.22 8.2	8.183	3 119@8.16	40677@8.20			42,655	142	349,050.2	20 585,620.22	6.97	8.73	4050101
103,423,291 0.570			01/08/2011	19/04/2016 -	GEK TERNA (CR)	6.89	0.44 #	6.86 18/11/2019	6.92	6.71 6.92 6.89	6.849	9000@6.86	160@6.89			99,688	258	682,752.6	5 712,586.47	4.08	7	5010101
232,000,000 2.48			20/07/2015	12/12/2001 -	PPC (CR)	3.19	1.53 #	3.142 18/11/2019	3.142	3.128 3.19 3.19	3.166	6 463@3.18	4725@3.19			502,799	989	1,591,891.2	28 740,080.00	1.201	3.26	6510101
914,715,153 3.00			16/05/2008	29/08/2018 -	NATIONAL BANK (CR)	3.13	2.56 #	3.052 18/11/2019	3.078	3.035 3.13 3.13	3.103	3 100@3.13	40681@3.13			3,543,462	6,360	10,994,488.9	1 2,863,058.43	0.9	3.13	3010101
214,272,003 1.03			05/07/2011	22/07/2019 -	ELLAKTOR (CR)	1.742	-0.34 Œ	1.748 18/11/2019	1.742	1.736 1.762 1.742	1.737	4495@1.74	1000@1.75			330,047	503	573,348.2	26 373,261.83	1.1784	2.3	50101010
60,348,000 0.580	0.065 0	0.0502	0.05 05/06/2019	05/08/2019 -	HELLENIC EXCHANGES-A.S.E. (CI	R) 4.57	0.88 #	4.53 18/11/2019	4.515	4.505 4.58 4.57	4.546	5 1500@4.56	4357@4.57			95,083	374	432,283.2	275,790.36	3.52	5.23	3020201
305,635,185 2.18		0.4	0.75 01/07/2019	01/10/2003 -	HELLENIC PETROLEUM (CR)	8.61	-0.46 Œ	8.65 18/11/2019	8.57	8.54 8.69 8.61	8.585	5 1056@8.61	1738@8.63			122,995	425	1,055,905.4	0 2,631,518.94	7.23	9.6	6010100
114,320,400 0.100	(0	.0175) ##	#### 08/07/2019	05/08/2019 -	IKTINOS HELLAS SA (CR)	1.044	0.38 #	1.04 18/11/2019	1.026	1.02 1.048 1.044	1.031	455@1.04	377@1.04			79,947	129	82,386.1	6 119,350.50	0.881 1	.3975	5010103
156,961,721 0.300			30/05/2013	14/11/2007 -	INTRALOT (CR)	0.3965	-0.88 Œ	0.4 18/11/2019	0.4	0.39 0.4025 0.3965	0.398	3 1150@0.396	750@0.397			174,372	167	69,365.8	62,235.32	0.3	0.581	40501020
19,804,134 0.300			01/07/2004	06/11/2017 -	KEKROPS SA (CR)	2.75	-1.79 CE	2.8 18/11/2019	2.8	2.74 2.825 2.75	2.767	200@2.75	490@2.80		2018	11,077	56	30,647.6	54,461.37	1.24	3.9	35101010
110,782,980 0.750	0.9	1.3	1.3 26/06/2019	04/11/2013 -	MOTOR OIL (CR)	21.84	0.74 # 3	21.68 18/11/2019	21.68	21.6 21.84 21.84	21.717	20@21.80	2534@21.84			39,470	514	857,169.2	2 2,419,500.28	19.12	24.4	6010102
142,891,161 0.970		0.32	0.36 26/06/2019	07/07/2017 -	MYTILINEOS (CR)	9.91	0.30 #	9.88 18/11/2019	9.885	9.865 9.985 9.91	9.935	5 72@9.90	448@9.92			244,635	945	2,430,528.0	02 1,416,051.41	7.19	11.43	50203000
25,000,000 2.00	0.0892 0).1712	0.424 22/07/2019	08/08/2003 -	P.P.A. S.A. (CR)	22.95	0.66 #	22.8 18/11/2019	23	22.8 23 22.95	22.929	65@22.90	283@22.95	20.58	2018	2,403	76	55,098.5	50 573,750.00	14.42	25.25	50206060
321,623,443 0.300	0.72	0.4	0.7 26/06/2019	25/04/2001 -	OPAP (CR)	9.815	0.31 #	9.785 18/11/2019	9.735	9.735 9.87 9.815	9.81	50@9.80	2500@9.82			396,710	1,376	3,891,674.7	78 3,156,734.09	7.5241	10.32	4050102
479,939,319 2.83	0.16 ().3529 0	5245 22/07/2019	18/06/1998 -	OTE (CR)	13.5	0.97 #	13.37 18/11/2019	13.4	13.37 13.52 13.5	13.439	9 2509@13.48	63771@13.50			1,461,249	1,856	19,638,101.7	1 6,479,180.81	9.5	13.7	1510201
436,659,164 6.00			16/05/2008	31/07/2017 -	PIRAEUS BANK (CR)	3.176	2.39 #	3.102 18/11/2019	3.122	3.122 3.186 3.176	3.164	300@3.17	430@3.18			1,518,305	2,911	4,804,546.9	9 1,386,829.50	0.552	3.29	30101010
69,877,484 0.780 ((0.0875)	(0.14) 0	1489 24/07/2019	13/06/2018 -	GR. SARANTIS S.A. (CR)	8.4	1.57 #	8.27 18/11/2019	8.27	8.07 8.42 8.4	8.35	6460@8.37	2000@8.42			71,150	348	594,093.7	3 586,970.87	6.72	9.19	45201020
113,918,936 0.300	0.0939 ().0419	10/01/2018	07/01/2019 -	TERNA ENERGY (CR)	7.37	0.27 #	7.35 18/11/2019	7.35	7.3 7.4 7.37	7.316	352@7.34	975@7.40			29,393	140	215,052.1	0 839,582.56	5.3	7.87	65101010
3,709,161,852 0.230			02/05/2008	20/05/2019 -	EUROBANK ERGASIAS (CR)	0.985	1.44 #	0.971 18/11/2019	0.971	0.9545 0.985 0.985	0.976	5 2400@0.984	54299@0.985			6,242,578	2,174	6,095,604.1	3 3,653,524.42	0.4664 0	.9925	30101010
Main Market - N	Mediur	n Liau	idity Class	\$																		
13,126,020 0.490		1*	08/07/2010		AS COMPANY SA (CR)	3.09	3.69 #	2.98 18/11/2019	2.96	2.96 3.09 3.09	3.318	3 34@2.96	416@3.09			107,250	24	355,872.6	40,559.40	2.38	3.3	40401030
102,847,472 0.300			01/07/2008		AUDIO VISUAL ENTERPRISES (CR	2) 0.25		0.25 18/11/2019				2000@0.230	950@0.248						25,711.87	0.171	0.4	40301010
48,855,000 0.080 ((0.2125) (0.275) ##				7.16		7.14 18/11/2019	7.08	7.04 7.16 7.16	7.108		627@7.16			71,978	199	511,623.6		5.25	7.3	40201040
11,921,531 2.10			0.055 22/03/2019			2.22		2.26 18/11/2019		2.2 2.3 2.22		1210@2.20	3100@2.30	9.19	2018	55,329	81					35102030
15,816,009 0.300			01/07/2009			1.11	2.78 #					7 1000@1.09	800@1.11			23,250	34					10101010

Daily Official List Section 2: Analytic I	Figures	of Sha	res Transaction	S																	Year: 140 Tuesda	Trading y, 19 No [,]	,	
Number of Outstanding Securities		dends [1 2017	Date of Las Dividend [2]	t Coupon Right No	te Shares	Closing price	% change		ous closing ice/date	Open price		ice Last Av ax price pri		t Bid [7]	Last Ask [7]	P/E after	Year	T Volume	rades	Transactions Value[8]	Company Mk Value (thou. €		Yea higl	
101,123,806 0.360			22/07/2010	28/06/2011 -	CENTRIC HOLDING	GS (CR) 0.24	3 1.25 #	0.24	18/11/2019	0.24	0.239 0	243 0.243	0.24 30	0@0.242	700@0.243			40,500	15	9,716.70	24,573.08	0.118 0).263	4020304
784,500 10.00			0.13 10/10/2019	31/07/2018 -	CNL CAPITAL (CR)) 10.	1 1.00 #	10	18/11/2019	10.1	10.1	10.1 10.1	10.1 25	50@9.95	200@10.10	-(6)-	2018	260	3	2,626.00	7,923.45	9.35	10.5	3020200
52,800,154 0.300			20/08/2014	21/06/2004 -	F.G. EUROPE S.A.	(CR) 0.49	2	0.492	18/11/2019						100@0.492						25,977.68	0.342	0.62	4020202
20,578,374 0.620	0.07	0.1	08/06/2018	18/05/2015 -	INFORM P. LYKOS	SA (CR) 1.59	5 6.69 #	1.495	18/11/2019	1.5	1.45	1.62 1.595	1.553 18	80@1.58	100@1.60			50,156	194	77,888.41	32,822.51	0.744 1	.795	5020503
10,500,000 4.00	0.28	0.31	0.36 07/05/2019	02/08/2016 -	INTERCONTINENT	AL (CR) 6.	3 0.74 #	6.75	18/11/2019	6.75	6.7	6.8 6.8	6.714 2	25@6.65	495@6.80			105	5	705.00	71,400.00	5.5	6.95	3510200
30,477,156 0.300			12/08/2008	17/10/2017 -	INTRACOM CONST	rr. (Cr) 1.78	5 -1.38 (E 1.81	18/11/2019	1.8	1.74 1	815 1.785	1.786 12	28@1.79	510@1.80			17,034	43	30,423.76	54,401.72	0.92	2.18	5010101
468,700	0.73	0.73	4.869 25/04/2019	21/05/2004 -	MERMEREN KOME	3. A.D. PR. (GDR) 51.	6 -0.39 (51.8	18/11/2019	52.8	50.6	53 50.6	51.6 10	0@51.00	5@51.80	1.06	2018	25	6	1,290.00	24,184.92	44	76.8	5510200
10,500,000 0.950			24/06/2008	30/06/2017 -	MEVACO SA (CR)	1.8	2 1.68 #	1.79	18/11/2019	1.77	1.77	1.82 1.82	1.789 4	12@1.80	387@1.82		2018	2,512	13	4,493.64	19,110.00	0.91	1.82	5510201
12,417,000 0.310			0.0205 27/08/2019	28/08/2017 -	MLS MULTIMEDIA	SA (CR) 1.6	5 20.29 #	1.38	18/11/2019	1.42	1.42	1.68 1.66	1.605 20	00@1.65	245@1.66	12.87	2018	274,691	835	440,878.88	20,612.22	0.75	5.32	1010101
3,953,090 0.300	0.2	0.16	0.15 06/06/2019	05/12/2012 -	PAPERPACK (CR)	5.3	5	5.35	18/11/2019				45	50@4.80	250@5.20	27.79	2018				21,149.03	2.8	5.8	5020303
11,812,193 0.470			29/05/2018	10/07/2019 -	PROFILE SA (CR)	3.5	6 2.30 #	3.48	18/11/2019	3.55	3.43	3.59 3.56	3.499 5	50@3.53	450@3.56			7,985	40	27,939.02	42,051.41	1.21	4.25	1010101
27,345,120 0.470			18/07/2005	26/02/2014 -	QUALITY & RELIA	BILITY SA (CR) 0.18	5	0.185	18/11/2019	0.1855	0.184 0.1	855 0.185	0.184 30	0@0.181	980@0.184			1,520	5	280.07	5,058.85	0.161 0).271	1010101
35,740,896 0.100			05/09/2008	30/07/2019 -	QUEST HOLDINGS	(CR) 7.	2 1.41 #	7.1	18/11/2019	7.2	7.1	7.24 7.2	7.162 18	89@7.02	155@7.24			14,701	79	105,282.50	257,334.45	4.2667	7.56	1010101
57,434,884 1.31			05/06/2008	12/06/2009 -	REDS S.A. (CR)	1.	2 0.84 #	1.19	18/11/2019	1.18	1.175	1.2 1.2	1.19 50	00@1.19	1824@1.20			5,842	22	6,951.30	68,921.86	0.8	1.3	3510101
6,456,530 1.08			04/07/2019	02/08/2010 -	SPACE HELLAS S/	A (CR) 4.9	3 1.63 #	4.9	18/11/2019	4.89	4.85	5.06 4.98	4.97 4	11@4.72	127@4.98			23,060	21	114,603.81	32,153.52	4.34	5.55	1510101
15,627,315 0.300			16/11/1992	24/07/2019 -	UNIBIOS (CR)	0.39	7 -1.00 (0.401	18/11/2019	0.395	0.392 0	403 0.397	0.395 425	50@0.392	860@0.397			15,925	30	6,290.56	6,204.04	0.2334	0.47	5020400
77,654,850 0.300			01/07/2011	21/02/2003 -	AVAX S.A. (CR)	0.70	B -1.67 (0.72	18/11/2019	0.712	0.706 0	724 0.708	0.714 133	36@0.708	4590@0.720			21,894	62	15,625.52	54,979.63	0.286 0).879	5010101
22,016,250 0.370			15/07/2009	11/05/2000 -	ALUMIL (CR)	1.1	5 -	1.16	18/11/2019	1.16	1.14	1.17 1.16	1.157 20	00@1.15	2030@1.16			6,350	17	7,345.50	25,538.85	0.181	2.17	5510203
401,136 15.25		0.75	05/04/2018	12/09/2019 -	ANDROMEDA SA (CR) 24.	4	24.4	18/11/2019	24.4	24.4	24.4 24.4	24.4 16	6@24.60	1@25.20		2018	7	2	170.80	9,787.72	20.4	26.8	3020201
18,810,000 0.400			08/07/2010	14/11/2007 -	VARVERIS - MODA	BAGNO SA (CR) 0.57	5 -	0.575	18/11/2019	0.575	0.575 0	575 0.575	0.576 49	91@0.540	7975@0.580			5	1	2.88	10,815.75	0.262 0).745	4040102
6,325,000 0.600	0.11	0.15	0.103 04/07/2019	17/02/2014 -	VOGIATZOGLOU S	SYSTEMS SA (CR) 2.2	5 -	2.26	18/11/2019				20	00@2.14	133@2.20						14,294.50	1.61	2.44	5020501
24,060,000 0.300	0.01	0.01	0.015 01/07/2019		GEN. COMMERCIA	L & IND.SA (CR) 0.7	7 -0.65 (0.775	18/11/2019	0.755	0.75	0.77 0.77	0.754 30	0@0.750	1190@0.775	19.22	2018	7,210	15	5,433.95	18,526.20	0.585	0.9	5020501
34,720,000 0.310			16/06/2010	01/08/2007 -	DROMEAS SA (CR	2) 0.38	1 1.06 #	0.377	18/11/2019	0.377	0.37 0	.381 0.381	0.377 150	00@0.362	4990@0.370			8,590	11	3,237.80	13,228.32	0.2 0).465	4020201
13,673,200 0.880			18/07/2008	26/07/2001 -	EVROFARMA SA (CR) 0.9	2 -0.65 (0.926	18/11/2019	0.9	0.9 0	924 0.92	0.902 10	0@0.910	137@0.920			1,177	9	1,061.35	12,579.34	0.605	1.16	4510202
11,250,000 0.520	0.04		0.04 22/07/2019	09/11/2015 -	EKTER SA (CR)	1.28	5 1.58 #	1.265	18/11/2019	1.265	1.255	1.29 1.285	1.269 4	11@1.29	3200@1.29			21,634	45	27,463.73	14,456.25	1.18 1	.985	5010101
18,410,839 1.00			07/07/2009	10/09/2010 -	ELASTRON (CR)	1.4	5 -0.34 (1.455	18/11/2019	1.41	1.4	1.45 1.45	1.42 1	10@1.44	940@1.45	-(6)-	2017	2,865	20	4,067.50	26,695.72	1.105 1	.685	5510201
375,241,586 0.390			0.03 28/05/2019	14/07/2006 -	ELVALHALCOR (C	R) 1.81	5 0.33 #	1.81	18/11/2019	1.81	1.79 1	816 1.816	1.804 10	00@1.80	264@1.82			54,036	90	97,484.99	681,438.72	1.19 2	2.095	5510201
31,734,530 1.60			09/07/2007	19/07/2006 -	ELGEKA SA (CR)	0.33	3 -2.31 (0.346	18/11/2019	0.32	0.32	0.34 0.34	0.337 75	50@0.338	3280@0.340			11,160	12	3,760.00	10,726.27	0.113	0.39	4520101
19,864,886 5.60	0.672	0.672	0.672 04/04/2019	02/07/2008 -	BANK OF GREECE	(CR) 14.0	3	14.08	18/11/2019	14.06	13.9 1	4.08 14.08	14.031 6	6@13.98	1230@14.08			3,599	36	50,496.28	279,697.59	12.2	15.2	3010101
26,730,187 0.520		0.04	0.06 09/07/2019			1.69	5 0.30 #	1.69	18/11/2019	1.7		1.7 1.695	1.673 10		2800@1.70	21.83	2017	7,840	21	13,117.86	45,307.67		1.93	5020501
14,050,971 0.340			13/12/2017		ELTRAK SA (CR)	3.	3	3.3	18/11/2019	3.3	3.3	3.3 3.3	3.32105	5991@3.30	1500@3.32			2,365	4	7,804.50	46,368.20	2.12	3.32	5020402
36,300,000 1.12	0.228	0.221	0.126 27/06/2019		. ,	ATER & SEWERAGE 4.9			18/11/2019	4.86		4.94 4.94	4.94 70		1515@4.94			7,011	9		179,322.00	4.14	5.7	6510203
106,500,000 0.600	0.11	0.2	0.27 28/06/2019			7.				7.41		7.51 7.4	7.416 15		40@7.40			21,458	133	159,125.77			8.37	6510203
27,503,677 0.630	0.1	0.12	0.13 29/05/2019						18/11/2019	4.98		4.99 4.96	4.972 50		5@4.99			8,920	55	44,352.10			5.78	3030201
122,156,754 0.440			24/11/2014			1.44			18/11/2019)00@1.41	1500@1.43						176,882.98		1.49	2010101
86,735,980 0.310			06/07/2009		ATHENS MEDICAL				18/11/2019	2.2	2.2	2.22 2.22	2.205 31		200@2.24			6,476	23	14,277.43			2.41	2010102
8,226,132 0,900			15/05/2009			0.28			18/11/2019	0.284		288 0.286	0.285 50		12@0.286			3,800	10	1.082.62			0.48	1010101
8,298,467 0.400			30/08/1993						18/11/2019	0.855		0.95 0.95	0.942 62		500@0.980			2,140	10	2,016.71			1.22	1010203
2,566.836 0.440			13/08/2010						18/11/2019						1300@0.436			_,		2,010.71		0.0725		5020501

Daily Official List Section 2: Analytic	Figure	es of Sha	res Transactio	ons																Year: 140 Tuesda			No: 220 ber, 2019
Number of Dutstanding Securities		ividends [1 2017	Date of La 2018 Dividend [2	ast Coupon] Right	Note	Shares	Closing price	% change	Previous closing price/date	Open price		ce Last Avç ax price pric		Last Ask [7]	P/E after	Year	T Volume	rades T	Transactions Value[8]	Company Mk Value (thou. €			
8,424,900 0.500			12/07/20	10 04/07/201	9	INTERTECH SA (CR)	0.69	7	0.69 18/11/2019	0.675	0.67	0.69 0.69	0.675 1000@0.675	1550@0.695		2018	1,920	5	1,296.30	5,813.18	0.387	0.875	502050
14,679,792 1.68	0.07		28/06/20	17 04/09/200	00	KARATZIS SA (CR)	8.1	0.62 #	8.05 18/11/2019	8	8	3.25 8.1	8.207 251@8.05	999@8.15			6,515	21	53,470.00	118,906.32	6	8.45	5020303
40,219,218 0.260			02/07/20	18 10/06/201	9	KLOUKINAS - LAPPAS SA (CR)	0.8	2.30 #	0.782 18/11/2019	0.792	0.76 0	806 0.8	0.79 430@0.782	90@0.804			36,402	51	28,774.30	32,175.37	0.524	1.08	501010
11,510,102 0.890			24/06/200	05 06/10/199	99	NAFPAKTOS TEXTILE (CR)	0.775	-1.27 (E	0.785 18/11/2019	0.77	0.77).78 0.775	0.777 1000@0.700	459@0.780			3,801	9	2,953.28	8,920.33	0.4	1	551010
21,224,340 0.420	0.01	0.005	10/09/20	18 25/04/200)6	KORDELLOS BROS SA (CR)	0.398	2.58 #	0.388 18/11/2019	0.39	0.388 0	398 0.398	0.392 500@0.388	1995@0.398		2018	8,516	18	3,341.77	8,447.29	0.29	0.69	551020
33,065,136 0.380	0.09	0.115	0.15 22/08/20	19 16/09/201	13	KRI-KRI S.A. (CR)	5.28	1.15 #	5.22 18/11/2019	5.2	5.2	5.28 5.28	5.241 1500@5.22	2889@5.30	17.25	5 2018	10,173	32	53,321.64	174,583.92	4.25	5.78	4510202
18,017,472 0.360			15/06/20	10 28/08/201	7	KTIMA KOSTAS LAZARIDIS SA (CR)	1.44	2.13 #	1.41 18/11/2019	1.46	1.39	1.46 1.44	1.406 359@1.39	51@1.44			6,139	20	8,632.20	5 25,945.16	0.75	1.72	451010
7,595,160 0.600		0.0263	0.0263 10/09/20	19 18/08/201	10	KIRIAKOULIS SHIPPING SA (CR)	1.98	1.02 #	1.96 18/11/2019	1.96	1.94	1.98 1.98	1.961 990@1.95	1050@2.00			3,240	27	6,352.03	3 15,038.42	0.81	2.58	405010
5,939,268 0.620			10/07/200	03 03/01/200)2	LANAKAM SA (CR)	0.97	7	0.97 18/11/2019				1250@0.900	500@0.970		2018				5,761.09	0.294	1.15	404010
17,120,280 0.940			01/06/20	10 02/08/201	9	LOULIS MILLS SA (CR)	3.48	1.75 #	3.42 18/11/2019	3.44	3.44	3.48 3.48	3.442 70@3.32	113@3.48			2,300	10	7,915.48	3 59,578.57	2.1	3.56	451020
9,819,370 0.690			14/08/200	07 09/01/200)4	MATHIOS REFRACTORY SA (CR)	0.286	-0.69 (E	0.288 18/11/2019	0.318	0.262 0	318 0.286	0.277 3000@0.288	2000@0.310			22,762	45	6,310.13	3 2,808.34	0.172	0.52	551010
29,250,000 0.360			02/06/200	09 25/04/201	9	MOTODYNAMICS S.A. (CR)	1.28		1.28 18/11/2019				400@1.26	120@1.28						- 37,440.00	0.5225	1.46	404010
32,188,050 1.04			21/07/200	08 20/01/200	00	MOUZAKIS (CR)	0.492	-0.41 Œ	0.494 18/11/2019	0.472	0.47 0	492 0.492	0.478 510@0.478	1450@0.490			12,015	29	5,742.01	1 15,836.52	0.296	0.585	551010
8,321,682 0.670			17/08/200	07 23/11/199	99	N. LEVENTERIS (CR)	0.195	7	0.195 18/11/2019				1000@0.180	7067@0.195		2018				2,093.72	0.073	0.21	502030
2,160,524 0.670	0.0436	0.0436	03/12/20	18 23/11/199	99	N. LEVENTERIS (PR)	0.218	7	0.218 18/11/2019					1322@0.280		2018				2,093.72	0.13	0.268	502030
294,016,812 0.300			08/07/200	08 21/03/201	6	NIREFS SA (CR)	0.197	-1.99 (E	0.201 18/11/2019	0.201	0.195 0	201 0.197	0.198 791@0.197	5132@0.200			33,083	23	6,556.38	3 57,921.31	0.1514	0.22	451020
4,971,466 1.46			04/07/200	07 08/10/200)3	PAIRIS SA (CR)	0.358	19.33 #	0.3 18/11/2019	0.3	0.29	0.39 0.358	0.329 1000@0.212	593@0.358			6,111	32	2,008.52	2 1,779.78	0.16	0.62	5020303
25,118,410 0.590			17/08/200	00 25/06/201	9	PAPOUTSANIS (CR)	1.675	0.30 #	1.67 18/11/2019	1.725	1.675 1	725 1.675	1.679 100@1.63	1000@1.68	38.07	2018	6,541	25	10,979.18	42,073.34	0.95	1.85	452010
17,175,776 0.370			14/07/200	05 30/09/200)3	PERSEUS SA (CR)	1	0.20 #	0.998 18/11/2019	0.998	0.998	1 1	1 450@0.982	10238@1.00	5.88	2018	8,565	7	8,563.99	9 17,175.78	0.912	1.35	451020
22,075,665 0.330	0.05	0.07	0.07 30/05/20	19 27/04/201	15	PLAISIO COMPUTERS SA (CR)	3.65	0.83 #	3.62 18/11/2019	3.66	3.61	3.67 3.65	3.645 1930@3.65	199@3.67			5,971	22	21,766.17	80,576.18	3.52	4.37	404010
43,741,452 0.660		0.0471	0.0444 20/06/20	19 01/11/199	99	THRACE PLASTICS SA (CR)	2.05	٦	2.05 18/11/2019	2.06	2.03	2.07 2.05	2.047 3050@2.03	392@2.05			28,003	63	57,321.35	5 89,669.98	1.79	2.6	502030
21,912,599 0.300			11/04/20	11 23/02/200)7	REVOIL (CR)	0.95	1.06 #	0.94 18/11/2019	0.94	0.92).95 0.95	0.933 43@0.920	1995@0.950	14.20	2018	277	9	258.39	20,816.97	0.392	1.08	601010
28,438,268 0.300			21/08/200	06 24/11/199	99	SPIROY AGRICULTURE SA (CR)	0.218	3.81 #	0.21 18/11/2019	0.204	0.204 0	218 0.218	0.216 194@0.218	1225@0.250			7,520	12	1,621.00	6,199.54	0.18	0.348	451020
40,693,350 5.00			03/07/200	06 26/05/201	5	TECHNICAL OLYMPIC SA (CR)	2.4	2.56 #	2.34 18/11/2019	2.34	2.3	2.4 2.4	2.361 50@2.39	3040@2.40			33,208	103	78,391.08	97,664.04	1.38	2.88	402020
1,524,000 0.300			06/07/200	07 06/02/201	3	GIRAKIAN PROFIL SA (CB)	3.92		3.92 18/11/2019	3.96	3.7	3.96 3.92	3.791 29@3.70	80@3.88		2018	751	24	2,847.06	5,974.08	0.865	4.72	551020
10,203,575 0.730			16/07/200	07 18/10/199	99	FIERATEX SA (CR)	0.595		0.595 18/11/2019	0.6	0.59	0.62 0.595	0.604 11575@0.595	750@0.600	60.11	2018	19,927	53	12,033.09	6,071.13	0.142	0.62	551010
8,340,750 1.16			25/06/200	09 17/09/201	8	HAIDEMENOS SA (CR)	0.695		0.695 18/11/2019				1295@0.655	700@0.730		2018				5,796.82	0.44	1.17	502050
Main Market - I	Low	Liquid	ity Class																				
14,000,000 4.15			23/04/20	10 29/06/199	99	ALPHA REAL ESTATE SA(CR)	6.75	¬	6.75 18/11/2019	6.7	6.7	6.75 6.75	6.71 81@6.75	30@6.95			99	2	664.25	5 94,500.00	6.05	8.1	351010
215,805,843 0.300			20/07/200	09 29/12/201	0	ATTICA HOLDINGS (CR)	1.35	2.27 #	1.32 18/11/2019	1.32	1.32 1	355 1.35	1.34 250@1.34	1538@1.35			17,691	38	23,708.21	291,337.89	1.15	1.475	405010
9,907,500 0.300			06/10/200	05 13/02/200)2	CPI SA (CR)	0.342	٦	0.342 18/11/2019				217@0.332	500@0.370		2018				- 3,388.37	0.186	0.44	101020
11,720,024 0.540			21/08/20	14 30/08/201	9	FLEXOPACK SA (CR)	6.9		6.9 18/11/2019				141@6.90	339@7.30						- 80,868.17	6.25	7.95	502030
4,740,000 0.860				14/03/200)3	LOGISMOS S.A. (CR)	0.454		0.454 18/11/2019				500@0.412	244@0.494	57.05	5 2018				- 2,151.96	0.39	0.595	101010
109,169,707 0.500			25/04/20	14 19/07/201	9	TRASTOR REAL EST. INV. CO.(CR)	1.02	-4.67 Œ	1.07 18/11/2019	1.02	1.02	1.02 1.02	1.02 815@1.02	2000@1.07	32.37	2018	6,825	3	6,961.50	0 111,353.10	0.692	1.24	351020
15,300,000 0.300			30/07/200	09 13/12/199	99	ATTICA PUBLICATIONS SA (CR)	0.3	7	0.3 18/11/2019	0.27	0.27	0.33 0.3	0.325 499@0.300	2@0.308			165	4	53.58	4,590.00	0.202	0.505	403010
23,986,500 1.05			26/06/200	09 15/03/200	00	BIOKARPET S.A.(CR)	1.01	5.21 #	0.96 18/11/2019	1.01	1	1.02 1.01	1.01 200@0.870	380@1.01			630	5	636.10) 24,226.37	0.45	1.05	501010
4,968,600 2.88			01/07/19	98 14/12/199	98	VIS SA (CR)	0.99	7	0.99 18/11/2019					800@1.05		2018				4,918.91	0.645	1.04	502030
8,418,750 0.300	0.3	0.28	0.32 12/06/20	19 27/06/201	12	GEKE SA (CB)	4.96	,	4.96 18/11/2019				10@4.84	90@5.40	13.76	2018				41,757.00	4.6	5.4	4050102
15,000,000 0.300			06/07/200	07 18/07/200	00	DAIOS PLASTICS SA (CR)	3.08		3.08 18/11/2019				2000@2.84	300@3.38						- 46,200.00	2.62	3.2	502030

Daily Official List																		Year: 140 T	rading	Day M	No: 220
Section 2: Analytic	Figure	es of Sh	ares Transactio	ns														Tuesday	, 19 No	vembr	er, 2019
Number of Outstanding Securities		ividends 2017	Date of La2018Dividend [2]	ast Coupon Right Note	Shares	Closing price	% change	Previous closin price/date	g Open price	Price Price Last min max price		Last Ask [7]	P/E after		Volume	rades T		Company Mkt Value (thou. €)		Year high	ar Sector h 4]
27,848,000 0.300		0.0034	20/08/201	18 02/09/2003	NEWSPHONE HELLAS SA (CR)	0.478	-1.65 Œ	0.486 18/11/20	19 0.488	0.44 0.488 0.478	3 0.469 842@0.480	60@0.480			10,460	27	4,910.30	13,311.34	0.326 0).515	15102015
3,307,500 0.460			11/08/201	10 04/12/2018	ELVE SA (CR)	4.5	7	4.5 18/11/20	19		22@4.36	500@4.76						14,883.75	3.14	4.86	40204020
23,828,130 0.500	0.052	0.06	0.05 22/07/201	19 17/02/2009	ELINOIL S.A. (CR)	1.92	7	1.92 18/11/20	19 1.86	1.86 1.86 1.86	5 1.86 2490@1.86	361@1.90			10	1	18.60	45,750.01	1.22	1.99	6010102
34,986,430 0.440			25/07/200	08 23/02/2010	INTERWOOD-XYLEMPORIA (CR)	0.131	7	0.131 18/11/20	19 0.144	0.144 0.144 0.144	0.144	3500@0.144			500	1	72.00	5,481.61	0.072 0).153	5020501
9,742,920 0.400			12/08/201	16 14/07/2000	KARAMOLEGOS SA (CR)	1.66	2.47 #	1.62 18/11/20	19 1.66	1.66 1.7 1.7	1.661 220@1.36	10@1.68			550	5	913.80	16,173.25	1.14	2.48	4510202
2,760,000 11.83	9.2	9.2	9.5 01/07/201	19 16/07/1990	KARELIA TOBACCO CO. SA (CB)	280	2.94 #	272 18/11/20	19 278	278 280 280	278.889 151@274.00	107@280.00			27	2	7,530.00	772,800.00	240	282	4510301
6,700,000 0.800	0.028	0.028	0.043 24/07/201	19 29/05/2014	MILLS KEPENOS (CR)	1.6		1.6 18/11/20	19		100@1.50		16.65	5 2018				10,720.00	1.23	1.78	4510202
6,200,000 0.500			22/06/201	10 01/11/1995	MINERVA KNITWEAR (CR)	0.28		0.28 18/11/20	19			70@0.260						1,736.00	0.153 0	0.314	4020402
21,364,000 1.12		0.2	0.2 29/07/201	19 10/08/2005	LAMPSA HOTEL SA (CR)	20	1.01 #	19.8 18/11/20	19 20	20 20 20	20 200@19.70	81@20.00			200	3	4,000.00	427,280.00	17.4	20.2	4050102
6,340,000 0.600			0.05 31/10/201	18 30/11/2018	NAKAS MUSIC	2.04	2.00 #	2 18/11/20	19 2.04	2.04 2.04 2.04	4 2.04 660@2.00	1000@2.08	17.19	9 2017	1,200	7	2,448.00	12,933.60	1.33	2.22	4040103
10,080,000 3.00	0.49	0.45	0.57 02/07/201	19 27/08/2001	TPA SA (CR)	26.8	7	26.8 18/11/20	19 26.4	26.3 26.8 26.8	3 26.432 5@26.40	801@26.80	15.75	5 2018	315	11	8,326.10	270,144.00	23.9	31	5020606
7,070,400 0.930			30/11/201	16 06/05/2016	PETROPOULOS PETROS (CR)	6.75	-4.26 Œ	7.05 18/11/20	19 7	6.75 7 6.75	5 6.873 10000@6.20	495@6.85			1,300	5	8,935.00	47,725.20	6.46	7.6	5020601
27,379,200 0.300		0.148	0.294 16/08/201	19 24/08/2018	CRETE PLASTICS SA (CR)	13	-0.76 (E	13.1 18/11/20	19 13.2	12.9 13.6 13	3 13.081 150@12.80	772@12.90			8,100	27	105,953.00	355,929.60	9.85	13.6	5020301
255,494,534 3.00	0.2	0.22	0.286 20/06/201	19 23/12/2015	PRODEA (CR)	5.9		5.9 18/11/20	19 5.9	5.9 5.9 5.9	5.9 300@5.80	83@6.00			127	1	749.30	1,507,417.75	4.4	6.45	3510200
4,181,450 0.500			21/08/200	00 05/03/2002	FLOUR MILLS SARANTOPOULOS SA	3.3	7	3.3 18/11/20	19			1170@2.98						13,798.79	0.565	3.3	4510202
Exchange Trad	ded F	unds	(ETFS)																		
812,382				15/06/2016	ALPHA ETF FTSE Athex Large Cap	23	0.04 #	22.99 18/11/20	19 23	22.8 23 23	3 22.901 300@17.50				21,886	7	501,212.00		15.86 2	.4.45	12003
Surveillance																					
5,867,311 0.300			11/08/201	10 28/04/2017 5123	DIONIC (CR)	0.24		0.24 18/11/20	19			1136@0.240						1,408.15	0.175	0.67	5020501
172,577,414 0.300				19/09/2016 5161	. ,	0.43	18.13 #	0.364 18/11/20	19 0.42	0.42 0.43 0.43	3 0.423 478@0.430	250@0.436			4,822	17	2,040.46			0.5	1510201
355,437,751 0.100			07/07/201		FRIGOGLASS SA (CR)	0.198	-1.00 Œ					331242@0.198	3		262,350	38	51,922.71	70,376.67			5020400
51,081,030 1.00					LAVIPHARM SA (CR)	0.185	-8.42 Œ					19056@0.200			21,760	25	4,117.02	9,449.99		0.38	2010301
4,419,616 1.58				11 04/03/2015 4983	. ,	1.97	1.03 #	1.95 18/11/20		1.97 1.97 1.97		149@1.98			950	6	1,871.50	8,706.64		2.3	2010201
14,967,940 0.500					PASAL DEVELOPMENT S.A. (CR)	0.112	2.75 #					4399@0.116			12,917	8	1,441.90	1,676.41		0.3	3510101
65,326,268 0.530)7 19/07/2006 4750		0.029	-18.31 (F			0.0285 0.03 0.0285		35704@0.029			9,000	5	259.50		0.016 0		4020201
33,301,715 0.320				03 08/07/2009 5195	. ,	0.058	-	0.058 18/11/20				3000@0.060			4,391	9	248.32			0.075	5010101
13,000,000 1.00					AKRITAS SA (CR)	0.474		0.474 18/11/20				29@0.530			50	5	23.80	6,162.00		0.72	5010103
185,373,016 0.300					ANEK LINES SA (CR)	0.0585		0.059 18/11/20				702@0.058			1,210	- 6	66.78	11,163.77		0.09	4050101
312,163 0.300					ANEK LINES SA (PR, issue '90)	0.072		0.072 18/11/20			500@0.058									0.086	4050101
2,969,713 0.300					ANEK LINES SA (PR, issue '96)	0.1	7	0.1 18/11/20		0.08 0.08 0.08					46	1	3.68			0.12	4050101
4,737,503 0.320					VARANGIS AVEPE S.A. (CR)	0.16		0.16 18/11/20		0.00 0.00 0.00					10		5.00		0.0385 0		4020201
6,330,002 0.300					VARVARESSOS (CR)	0.10		0.44 18/11/20				25@0.352		2018						0.44	5510102
17,579,754 4.16				06 02/08/2019 5156		0.44						3500@0.064		2010	291	2	13.97		0.210		5010102
15,878,748 0.480					DOMIKI KRITIS SA (CR)	0.034	-4.28 Œ					1201@0.179			291	10	4,718.67	2,842.30).214	5010101
3,961,300 1.28				03/08/2004 5095 04 03/08/2000 5080		0.179	-4.20 @			0.1/1 0.1/7 0.1/5	0.172 0347@0.171	10@0.190		2018	27,301		4,710.07).236	4020402
						0.228		0.228 18/11/20		0.202 0.202 0.202	 2 0.292 50000@0.280			2018	4,000		1,168.00			0.3	5510102
51,754,364 0.300					SELECTED TEXT. IND. ASSOC (CR)																
11,125,110 0.300					B EUROCONSULTANTS S.A. (CR)	0.178	-6.32 Œ			0.173 0.178 0.178		1700@0.183			21,500	15	3,777.00	1,980.27		0.24	5020502
7,125,216 0.650			01/07/200	05 14/12/1999 4955	• KRE.KA SA (CR)	0.0405	7	0.041 18/11/20	19		15000@0.049			2018				288.57	0.0275 0.0	J485	4510201

Daily Official List Section 2: Analytic	Figures	s of Share	s Transaction	S																Year: 140 T Tuesday	-	ay No: 220 ember, 2019
Number of Outstanding Securities		vidends [1] 2017 20	Date of Las Dividend [2]	· Noto	Shares	Closing price	% change	Previous closing price/date	Open price	Price min	Price Las max prio			Last Ask [7]	P/E after	Year	Volume	Trades	Transactions Value[8]	Company Mkt Value (thou. €		Year Secto high 4]
7,734,375 1.00			09/07/2007	07/01/2011 5112	2 LIVANIS SA (CR)	0.08	7	0.08 18/11/201	0.064	0.064	4 0.064 0.0	064	0.064	176@0.064			130	1	8.32	618.75	0.032 0.0	96 403010
15,842,391 1.51			15/07/2009	12/05/2000 5141	1 BITROS HOLDING SA (CR)	0.16	7	0.16 18/11/201)				819@0.128	1500@0.165						2,534.78	0.084 0.2	78 551020
119,596,817 0.040			15/07/2008	27/04/2017 5190) NIKAS SA (CR)	0.5	7	0.5 18/11/201)					1200@0.500						59,798.41	0.32	0.6 451020
24,319,250 0.300			09/07/2002	04/07/2007 5165	5 PROODEFTIKH SA (CR)	0.147	14.84 #	0.128 18/11/201	0.147	0.147	7 0.147 0.1	147	0.147 500@0.135	2358@0.140			60,000	14	8,820.00	3,574.93	0.09 0.2	48 501010
245,497,664 0.310			01/07/2008	30/07/2012 5207	7 SELONDA AQUACULTURE SA (CR)	0.049		0.049 18/11/201	0.0475	0.047	7 0.049 0.0	049	0.048 3989@0.047	18720@0.049			12,028	10	577.58	12,029.39	0.031 0.07	76 451020
10,186,667 1.35			24/06/2008	02/02/2016 4887	7 SIDMA SA (CR)	0.71	16.39 #	0.61 18/11/201	0.68	0.66	6 0.71 0).71	0.689 2000@0.700	500@0.720			20,408	35	14,056.43	7,232.53	0.204 0.	.71 551020
766,000 1.00			01/07/2004	11/12/2012 5193	3 TRIA ALFA SA (CR)	1.8	,	1.8 18/11/201)					80@1.80	55.15	2018				1,712.00	1.5 3.	.18 551010
245,000 1.00			19/07/2010	11/12/2012 5194	4 TRIA ALFA SA (PR)	1.36		1.36 18/11/201)						41.67	2018				1,712.00	0.535	2.1 551010
Suspension St	tatuc																					
•	lalus		22/00/200/	02/00/2010 512		0.050		0.050 00/04/001												1 174 04	0.050 0.0	001010
20,255,805 0.300					5 AXON HOLDING SA (CR)	0.058		0.058 28/04/201 0.448 30/04/201													0.058 0.0	
21,820,410 0.800					4 EUROMEDICA SA (CR)	0.448															0.448 0.4	
66,948,210 0.300					FOLLI FOLLIE (CR)	4.8	7	4.8 24/05/201												1		4.8 404010
13,191,620 0.620					7 YALCO - CONSTANTINOU SA (CB)	0.0555		0.056 30/09/201													0.048 0.1	
14,870,100 0.300					ALPHA GRISSIN S.A. (CR)	0.014	٦														0.014 0.0	
33,930,000 0.300					5 BABIS VOVOS SA (CR)	0.304															0.304 0.3	
77,126,446 0.340					G.E. DIMITRIOU (CR)	0.0125		0.013 30/04/201												964.08	0.01 0.0	
6,000,000 0.600					2 EUROBROKERS S.A. (CR)	0.008		0.008 27/04/201												10.00	0.008 0.0	
7,085,888 1.59					5 ELVIEMEK (CR)	2.6	7	2.6 30/09/201						200@3.12						10,120.01	2.6	
24,619,524 0.500					4 KERAMIA-ALLATINI (CR)	0.088		0.088 30/08/201													0.088 0.0	
31,543,600 0.420					5 KRETA FARM SA (CR)	1.085		1.085 30/04/201												,==	0.6 1.	
25,179,640 0.600					1 J.BOUTARIS & SON HOLD. SA (CB)	0.026		0.026 01/10/201													0.026 0.0	
1,540,000 0.600					2 J.BOUTARIS & SON HOLD. (PB)	0.057		0.057 01/10/201													0.057 0.0	
23,935,280 0.300					3 NAYTEMPORIKI PUBLISHING SA(CR)	·		0.107 02/10/201													0.107 0.1	
255,459,600 0.300				03/12/2010 5101	. ,	0.07		0.07 31/08/201												17,882.17	0.07 0.	
23,463,874 0.800					B NEORION SA (CR)	0.125		0.125 30/08/201													0.125 0.1	
18,750,000 0.300					PEGASUS PUBLISHING S.A. (CR)	0.089		0.089 02/10/201													0.089 0.0	
23,743,440 0.300					B SFAKIANAKIS SA (CR)	0.34		0.34 07/10/201													0.236 0.3	
100,793,572 0.300) TELETIPOS SA (CR)	0.06		0.06 07/03/201													0.06 0.	
4,034,950 0.680			01/07/2005	30/12/2010 5171	1 CHATZIKRANIOTIS & SONS SA (CR)	0.14		0.14 27/04/201	3											564.89	0.14 0.	.14 4510202

Section 2: Shares' Notes

Shares' Notes

Code		Note text
()	-	Adjusted dividends.
*	-	Last adjusted closing price.
[1]	-	Net dividends.
[2]	-	The "Date of Last Coupon" for New listings refers to the date company's stocks started to trade in Athex
[3]	-	The Company Market Value is refered to the number of outstanding shares
[4]	-	Sectors codification can be found in Appendix A
[5]	-	The Market Value refers to the total number of shares listed (including their several classes) in the exchange by the company.
[6]	-	P/E greater than 100
[7]	-	Last view of the Order Book before the end of the trading session
[8]	-	All Blocks Methods' Transactions Value are included.
4750	-	Transfer to the Under Surveillance Category from 8/4/2011.
4865	-	Suspension of trading as of 2/4/2012.
4887	-	Transfer to the Surveillance Category as of 10/4/2012.
4912	-	Transfer to the Surveillance Category as of 31/7/2012.
4914	-	Suspension of trading as of 31/8/2012.
4918	-	Suspension of trading as of 31/8/2012.
4955	-	Transfer to the Surveillance Category as from 5/4/2013.
4956	-	Transfer to the Surveillance Category as from 5/4/2013.
4957	-	Transfer to the Surveillance Category as from 5/4/2013.
4958	-	Transfer to the Surveillance Category as from 5/4/2013.
4959	-	Transfer to the Surveillance Category as from 5/4/2013.
4983	-	Transfer to the Surveillance Category as of 5/4/2013.
5080	-	Transfer to the Surveillance Category as of 06/09/2011.
5093	-	Transfer to the Surveillance Category as of 8/4/2015.
5095	-	Transfer to the Surveillance Category as from 5/4/2013.
5101	-	Suspension of trading as of 1/9/2015.
5110	-	Suspension of trading as of 08/03/2016.
5112	-	Transfer to the Surveillance Category as of 15/04/2016.
5112		Transfer to the Surveillance Category as of 15/04/2016.
5123	-	Transfer to the Surveillance Category as of 10/04/2014
	-	
5130	-	Suspension of trading as of 18/04/2017.
5136	-	Suspension of trading as of 02/05/2017.
5141	-	Transfer to the Surveillance Category as of 10/05/2017.
5153	-	Suspension of trading as of 03/10/2017.
5154	-	Suspension of trading as of 03/10/2017.
5156	-	Transfer to the Surveillance Category as of 11/12/2017.
5160	-	Transfer to the Surveillance Category as of 15/04/2016.
5161	-	Transfer to the Surveillance Category as of 25/11/2011.
5162	-	Transfer to the Under Supervision Category as of 21/12/2009.
5165	-	Transfer to the Surveillance Category as of 15/02/2018.
5171	-	Suspension of trading as of 30/04/2018.
5172	-	Suspension of trading as of 30/04/2018.
5174	-	Suspension of trading as of 02/05/2018.
5178	-	Transfer to the Surveillance Category as of 11/05/2018.
5179	-	Suspension of trading as of 25/05/2018.
5190	-	Transfer to the Surveillance Category as of 10/04/2012.
5191	-	Suspension of trading as of 02/10/2018.
5192	-	Suspension of trading as of 02/10/2018.
5193	-	Transfer to the Surveillance Category as of 25/10/2018.
5194	-	Transfer to the Surveillance Category as of 25/10/2018.
5195	-	Transfer to the Surveillance Category as of 27/06/2008.
5197	-	Transfer to the Surveillance Category as of 07/11/2018.
Hellenic	Fyr	changes – Athens Stock Exchange S.A. Section 2. 1/2

Section 2: Shares' Notes

Shares' Notes

Code		Note text
5205	-	Suspension of trading as of 02/05/2019.
5206	-	Suspension of trading as of 02/05/2019.
5207	-	Transfer to the Surveillance Category as from 13/05/2019.
5216	-	Suspension of trading as of 01/10/2019.
5217	-	Suspension of trading as of 01/10/2019.
5218	-	Suspension of trading as of 08/10/2019.

Daily Official List	Year: 140 Trading Day No: 220
Section 3: Figures of Securities Transactions	Tuesday, 19 November, 2019
Securities Blocks Details	

Securities	Block Volume	Price	Block Trade Value	Time of approval	Note
OTE (CR)	56,897	13.40	762,419.80	10:43:56	20
OTE (CR)	195,935	13.40	2,624,549.33	10:51:19	20
OTE (CR)	348,996	13.40	4,676,546.40	11:02:27	20
EUROBANK ERGASIAS (CR)	1,000,000	0.980	980,000.00	12:02:39	20
ELLAKTOR (CR)	60,000	1.68	100,806.00	16:55:52	14
ALPHA BANK (CR)	500,000	1.91	954,000.00	16:58:32	20
AS COMPANY SA (CR)	100,000	3.34	334,000.00	17:12:43	20

Blocks Notes

9 - Method 6-1 / Special Fees

10 - Method 6-1 / Special Fees, SDS

14 - Method 6-3 / Settlement, Incomplete Buy and Sell

18 - Method 6-2 / SPOT 1

19 - Method 6-2 / SPOT 2

- 20 Method 6-1 and Method 6-1 Same Day Settlement
- 21 Other Pre-agreed

Daily Offic Section 3:		ecurities Tra	nsactions							Y		ding Day No: 220 9 November, 2019
Shares I	Rights De	etails										
Occured date	Exercise from	Exercise until	Trading until	Rights	Price min	e Price max	Closing price	Last Bid	Last Ask	Volume	Trades	Transactions Value

No Rights Transactions.

Daily Official List Section 3: Figures of Securities Transactions				Year: 140 Trading I Tuesday, 19 Nove	,
Securities Forced Sales					
Securities	Category of Security	Transaction s Volume	Number of Trades	Transactions Value	Note
No Forced Transactions.					

Forced Sales Notes

1 - Normal Forced Sale.

2 - Forced Sales of Fixed Registered Shares.

3 - Forced Sales of Remaining Stock Fractions.

Daily Official List Section 3: Figures of Securitie	es Transactions								: 140 Trading iesday, 19 Nov	5
Forced Sales Register	ed Shares									
Securities	Start Date	End Date	Initial Volume	Remaining Volume	Date	Avg price (day)	Avg price (period)	Number of Trades	Transactions Volume	Transactions Value
No Fixed Registered Shares	Forced Sales.									

Forced Sales Notes

According to Decision 1/380/04.05.2008 of the Hellenic Republic Capital Market Commission, the certificated registered shares that have not been deposited to the issuer for dematerialisation, will be auctioned in the Athens Exchange by the supervising issuer. Forced sales procedure is held according to Article 99A of the Athens Exchange Rulebook. The average price of the period is calculated by dividing the Total transactions value by the Total volume and includes all the transactions made until the current date.

Daily Official List Section 3: Figures of Securities Transactions								0	Day No: 220 ember, 2019
Exchange Traded Funds (ETFs) Characteristics									
Transactions Date (T)	Creation / Redemption	Units (T-1)	New Units (T-1)	Redemptio n Units (T-	Units (T) [1]	Fund Assets [2]	Net Unit Price	Dividen d per	Dividend Date

#Error

ETFs Notes No data for ETFs. [2] - The Creation / Redemption Units of T-1 are included.

Section 5: Bonds traded in Fixed Income Assets Market

Convertible Corporate Bonds - Regulated Market

Num Listed Bonds	Nominal price	Issue price	Today's Rate	Exp. Date	Duration (years)	Note	Co Common	upon Preffered	g Corporate Bonds	Price min Price max Closing price	evious closing price/date	Volume	Transactions Value	Last orde Price Bi	er uy / Sell	Date	ear min	Year max
171,268,704	0.30	0.30	1.00	11/10/2025	9		13		1 FORTHNET S.A. (Convertible)		 			1.0000	В	23/10/2019	100.0000	100.0000

Corporate Bonds Notes

Transactions Volume = (Pieces) * (Nominal Price). Transactions Value = (Pieces) * (Nominal Price) * (price %) + (Accrued interest). The price of a Bond is stated as a percentage (%) of Bond's Nominal Price. Nominal Price in Euros (€), except if it is noted differently.

Section 5: Bonds traded in Fixed Income Assets Market

Non Convertible Corporate Bonds - Regulated Market

Num Listed Bonds	Nominal price	Issue price	Today's Rate	Exp. Date	Duration (years)	Note	C Common	oupon Preffered	Tradir g	¹ Corporate Bonds	Accrued Yie Int.	eld.T.Mat	Price min	Price max	Closing price	Previous price		Volume	Transactions Value	Last or Price	der Buy / Sell	Date	ear min	Year max
175,000	1,000.00	1,000.00	3.40	26/07/2024	5		1		1	ATTICA HOLDINGS S.A. (Non Convertible)	11.1444	2.9750	101.4500	102.0000	101.6324	101.8000	18/11/2019	167,000	171,587.22	101.5500) B	19/11/2019	101.3167	103.4000
300,000	1,000.00	1,000.00	3.10	27/06/2022	5		5		1	MYTILINEOS HOLDINGS S.A. (Non Convertible)	12.6583	2.6320	100.6000	101.0000	100.6663	100.7050	18/11/2019	89,000	90,731.84	100.6050) В	19/11/2019	100.5818	103.4000
50,000	1,000.00	1,000.00	4.35	20/06/2022	5		5		1	SYSTEMS SUNLIGHT S.A. (Non Convertible)	18.6083	3.4820				101.1940	18/11/2019			101.1900) В	19/11/2019	99.4118	104.5000
200,000	1,000.00	1,000.00	3.50	21/03/2022	5		6		1	O.P.A.P. S.A. (Non Convertible)	5.7361	2.9090	100.6100	100.7000	100.7000	100.7000	18/11/2019	151,000	152,860.65	100.6500) B	19/11/2019	100.5201	103.5200
25,000	1,000.00	1,000.00	4.95	26/06/2023	5		3		1	B&F COMM. & GARM. INDUS. S.A. (Non Convertible)	20.3500	7.3860	91.0000	91.6790	91.5000	93.1200	15/11/2019	10,000	9,346.06	91.5000	В	19/11/2019	90.1276	98.5000
90,000	1,000.00	1,000.00	3.00	11/05/2023	5		4		1	CORAL A.E. (Non Convertible)	0.8333	1.8560				103.5000	18/11/2019			103.5000) B	19/11/2019	100.2726	104.9499
120,000	1,000.00	1,000.00	3.95	04/04/2025	7		4		1	GEK TERNA S.A. (Non Convertible)	5.2667	2.5700	105.8000	105.8000	105.8000	106.1000	18/11/2019	9,000	9,569.40	105.8000) В	19/11/2019	99.0000	107.2000
40,000,000	1.00	1.00	5.00	04/10/2021	5		13		1	HOUSEMARKET S.A. (Non Convertible)	0.0067	1.9630				105.0000	18/11/2019			104.0500) B	19/11/2019	101.9500	106.1000
150,000	1,000.00	1,000.00	2.60	22/10/2026	7		1		1	TERNA ENERGY FINANCE S.A. (Non Convertible)	2.1667	2.2430	101.7800	102.4900	102.1364	102.1450	18/11/2019	190,000	194,121.56	101.8300) B	19/11/2019	101.0000	102.7000
200,000	1,000.00	1,000.00	3.60	12/03/2026	7		2		1	AEGEAN AIRLINES S.A. (Non Convertible)	7.0000	2.4610	105.4100	106.0000	105.9571	105.9500	18/11/2019	73,000	77,673.39	105.6600) B	19/11/2019	100.3628	107.9000

Corporate Bonds Notes

Transactions Volume = (Pieces) * (Nominal Price). Transactions Value = (Pieces) * (Nominal Price) * (price %) + (Accrued interest). The price of a Bond is stated as a percentage (%) of Bond's Nominal Price. Nominal Price in Euros (€), except if it is noted differently.

Section 5: Bonds traded in Fixed Income Assets Market

Government Bonds

Number Listed Bonds	Nominal price	Today's Rate	Accrued Interest Calc	Exp. Date [1]	Duration (years)	Note	Coupons Date	Curr. coupon value	Tradin Unit	Government Bonds	Price	Price max	Closing price	Previous closing price/date	Volume	Transactions Value	Price	Last order Buy / Sell	
3,000,000	1,000.00	4.38	Actual/Actual	01/08/2022	5		01/08	4.38	1	GGB-FXD-010822-05Y-4.375-1,000							1.0000	В	28/11/2018
2,500,000	1,000.00	3.45	Actual/Actual	02/04/2024	5		02/04	3.45	1	GGB-FXD-020424-05Y-3.450-1.000									
4,355,990,324	1.00	3.50	Actual/Actual	30/01/2023	5		01/02 - 31/01	3.50	1	GGB-FXD-300123-05Y-3.500-1.00				94.5720 13/07/2018			1.0000	В	28/11/2018
5,962,747,327	1.00	3.75	Actual/Actual	30/01/2028	10		/02 - 01/02 - 31/	3.75	1	GGB-FXD-300128-10Y-3.750-1.00				85.4610 13/07/2018			1.0000	В	28/11/2018
6,091,218,404	1.00	3.90	Actual/Actual	30/01/2033	15		/02 - 01/02 - 31/	3.90	1	GGB-FXD-300133-15Y-3.900-1.00				78.6730 13/07/2018			1.0000	В	28/11/2018
4,805,399,486	1.00	4.00	Actual/Actual	30/01/2037	19		/02 - 01/02 - 31/	4.00	1	GGB-FXD-300137-19Y-4.000-1.00				77.0370 13/07/2018			1.0000	В	28/11/2018
4,603,713,186	1.00	4.20	Actual/Actual	30/01/2042	24		/02 - 01/02 - 31/	4.20	1	GGB-FXD-300142-24Y-4.200-1.00				77.7640 13/07/2018			1.0000	В	28/11/2018
550,418,123	1.00	3.00	Actual/Actual	24/02/2023	11		24/02	3.00	1	GGB-FXD-240223-11Y-2.000-1.00				10.0000 22/06/2015			10.0000	В	11/07/2019
445,007,576	1.00	3.00	Actual/Actual	24/02/2024	12		24/02	3.00	1	GGB-FXD-240224-12Y-2.000-1.00				10.0000 22/06/2015					
423,674,226	1.00	3.00	Actual/Actual	24/02/2025	13		24/02	3.00	1	GGB-FXD-240225-13Y-2.000-1.00				10.0000 22/06/2015					
212,292,153	1.00	3.00	Actual/Actual	24/02/2026	14		24/02	3.00	1	GGB-FXD-240226-14Y-2.000-1.00				10.0000 22/06/2015					
160,621,352	1.00	3.00	Actual/Actual	24/02/2027	15		24/02	3.00	1	GGB-FXD-240227-15Y-2.000-1.00				10.0000 22/06/2015					
183,244,055	1.00	3.00	Actual/Actual	24/02/2028	16		24/02	3.00	1	GGB-FXD-240228-16Y-2.000-1.00				10.0000 22/06/2015					
164,802,894	1.00	3.00	Actual/Actual	24/02/2029	17		24/02	3.00	1	GGB-FXD-240229-17Y-2.000-1.00				10.0000 22/06/2015					
165,460,943	1.00	3.00	Actual/Actual	24/02/2030	18		24/02	3.00	1	GGB-FXD-240230-18Y-2.000-1.00				10.0000 22/06/2015					
129,007,241	1.00	3.00	Actual/Actual	24/02/2031	19		24/02	3.00	1	GGB-FXD-240231-19Y-2.000-1.00				10.0000 22/06/2015					
126,192,683	1.00	3.00	Actual/Actual	24/02/2032	20		24/02	3.00	1	GGB-FXD-240232-20Y-2.000-1.00				10.0000 22/06/2015					
146,905,168	1.00	3.00	Actual/Actual	24/02/2033	21		24/02	3.00	1	GGB-FXD-240233-21Y-2.000-1.00				10.0000 22/06/2015					
154,475,606	1.00	3.00	Actual/Actual	24/02/2034	22		24/02	3.00	1	GGB-FXD-240234-22Y-2.000-1.00				10.0000 22/06/2015					
144,429,441	1.00	3.00	Actual/Actual	24/02/2035	23		24/02	3.00	1	GGB-FXD-240235-23Y-2.000-1.00				10.0000 22/06/2015					
166,211,676	1.00	3.00	Actual/Actual	24/02/2036	24		24/02	3.00	1	GGB-FXD-240236-24Y-2.000-1.00				10.0000 22/06/2015					
145,461,669	1.00	3.00	Actual/Actual	24/02/2037	25		24/02	3.00	1	GGB-FXD-240237-25Y-2.000-1.00				10.0000 22/06/2015					
146,941,087	1.00	3.00	Actual/Actual	24/02/2038	26		24/02	3.00	1	GGB-FXD-240238-26Y-2.000-1.00				10.0000 22/06/2015					
135,115,612	1.00	3.00	Actual/Actual	24/02/2039	27		24/02	3.00	1	GGB-FXD-240239-27Y-2.000-1.00				10.0000 22/06/2015					
141,909,637	1.00	3.00	Actual/Actual	24/02/2040	28		24/02	3.00	1	GGB-FXD-240240-28Y-2.000-1.00				10.0000 22/06/2015					
136,788,720	1.00	3.00	Actual/Actual	24/02/2041	29		24/02	3.00	1	GGB-FXD-240241-29Y-2.000-1.00				10.0000 22/06/2015					
163,643,410	1.00	3.00	Actual/Actual	24/02/2042	30		24/02	3.00	1	GGB-FXD-240242-30Y-2.000-1.00				10.0000 22/06/2015					
4,000,000	1,000.00	3.88	Actual/Actual	12/03/2029	10		12/03	3.88	1	GGB-FXD-120329-10Y-3.875-1.000							100.0000	В	15/10/2019
503,753	1,000.00	0.32 FLR	Actual/360	16/09/2021	2		16/03 - 16/09		1	GGB-FLT-160921-02Y-0.319-1.000									
3,000,000	1,000.00	3.38	Actual/Actual	15/02/2025	7		15/02	3.38	1	GGB-FXD-150225-07Y-3.375-1.000									
250,250	1,000.00	2.90	Actual/Actual	20/03/2023	4		20/03	2.90	1	GGB-FXD-200323-04Y-2.900-1.000									
964,000	1,000.00	3.25	Actual/Actual	20/03/2025	6		20/03	3.25	1	GGB-FXD-200325-06Y-3.250-1.000									
2,100,000	1,000.00	3.55	Actual/Actual	20/03/2026	7		20/03	3.55	1	GGB-FXD-200326-07Y-3.550-1.000									
2,500,000	1,000.00	1.88	Actual/Actual	23/07/2026	7		23/07	1.88	1	GGB-FXD-230726-07Y-1.875-1.000									

Government Bonds Notes

Transactions Volume = (Pieces) * (Nominal Price). Transactions Value = (Pieces) * (Nominal Price) * (price %) + (Accrued interest).

The Value of current coupon for the issues with NV 0.01 euro refers to NV 100 euros

FLR: Floating Interest Rate.

[1] - The Expiration Date of the interest bearing period and the Date for coupon payment.

Hellenic Exchanges – Athens Stock Exchange S.A.
Market Operation & Development Division - Statistics & Information Services

Daily Official List	Year: 140 Trading Day No: 220
Section 5: Bonds traded in Fixed Income Assets Market	Tuesday, 19 November, 2019
Government Bonds	

Number Listed Bonds	Nominal price	Today's Rate	Accrued Interest Calc	Exp. Date [1]	Duration (years)	Note	Coupons Date	Curr. coupon value	Trading Government Bonds	Price Price Closing min max price	J Previous closing price/date	Volume	Transactions Value	Price	Last order Buy / Sell	Date
------------------------	------------------	-----------------	--------------------------	------------------	---------------------	------	-----------------	-----------------------	--------------------------	--------------------------------------	----------------------------------	--------	-----------------------	-------	--------------------------	------

Government Bonds Notes

Transactions Volume = (Pieces) * (Nominal Price). Transactions Value = (Pieces) * (Nominal Price) * (price %) + (Accrued interest).

The Value of current coupon for the issues with NV 0.01 euro refers to NV 100 euros

FLR: Floating Interest Rate.

[1] - The Expiration Date of the interest bearing period and the Date for coupon payment.

Section 5: Bonds traded in Fixed Income Assets Market

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

Treasury Bills & Zero Coupon Government Bonds

		13-Week Maturity 26-Week Maturity											52-Week Maturity														
Issue Date	Exp. Date	Initial Rate	Num Listed Bonds	Nominal price	Issue price	Last T Price	rade Date	Volume Traded	Note	Exp. Date	Initial Rate	Num Listed Bonds	Nominal price	Issue price	Last T Price	Trade Date	Volume Traded	Note	Exp. Date	Initial Rate	Num Listed Bonds	Nominal price	Issue price	Last 1 Price	Trade Date	Volume Traded	Note
14/12/2018																			13/12/2019	1.09	1,000,000	1,000.00	989.10				
15/03/2019																			13/03/2020	0.95	1,000,000	1,000.00	990.50				
14/06/2019																			12/06/2020	0.47	1,000,000	1,000.00	995.30				
13/09/2019																			11/09/2020	0.29	1,000,000	1,000.00	997.05				

Daily Official Section 5: Go	List vernment Bonds Tra	ded with the C)pen Outcry M	ethod													140 Tradi esday, 19		
Bonds in Circulation	Currency / Min nominal traded Value	Coupons Payment Date	Current Coupon Value	Note	Coupon	Trading Unit	lssue Date	Duration (years)	Today's Interest	A.I.C in days	Bonds	Last prio		Last Out Price	cry in Cas Buy / Sell	. ,	Trades in Pieces	Life min	Life Max
Corporate	Bonds in Foreig	gn Currenc	cy and Euro	D															
103,746	GBP / 10	01/12	0.25		60	1	01/12/1930	98	2.5	360	National Mortgage Bank	2.27 05/	/02/1996	2.27	S	05/02/1996		2.27	2.27
0	GBP / 10	01/12	0.25		62	1	01/12/1928	100	2.5	360	National Mortgage Bank								

Government Bonds Notes	
A.I.C: Accrued Interest Calculation base.	
FLR: Floating Interest Rate.	
The minimum tradeable Nominal Value for all Demeterialised Government Titles is 100 Euros.	
(μτφρ-0)	

Daily Official List Section 6: Additional Infos

Athex & ATHEXClear Members List

lember Name				Stock Market		Derivat	ives Market	ATHEXClear Member					
ddress	Phone	Fax	Market Member	Remote Member	Market Maker	Proprietary	Market Maker	General Clearing	Direct Clearing				
. SARRIS SECURITIES S.A.			а										
, DRAGATSANIOU ATHINA	+30 2103367700	210-3312324											
LPHA BANK A.E.								а					
), STADIOU STR ATHINA	(210)-3265546	(210)-3265811											
	(210)-3260000	(210)-3264116											
)3, AVE. ATHINON ATHINA	+30 2103436820	210-3436270											
LPHA FINANCE INVESTMENT SERVICES S.A.			а		а	а	а		а				
MERLIN ATHINA	+30 2103677400	210-33311193											
RGUS STOCKBROKERS LTD , DIMOSTHENI SEVERI AVE NICOSIA	+357 22717000	0035722717070	а	а		а							
LANTIC SECURITIES LIMITED			а	а									
PRODROMOU NICOSIA	+357 22445400	00357 22661914											
ON SECURITIES S.A.			а			а							
STADIOU ATHINA	+30 2103363800	210-3243903											
TA SECURITIES S.A.			а		а	а			а				
, ALEXANDRAS AVEN. & VRAILA ATHINA	+30 2106478900	210-6410139											
IP PARIBAS SECURITIES SERVICES	20.01074	210 7//0576						а					
LAMPSAKOU ATHINA	+30 2107468500	210-7468579-581											
PITAL SECURITIES S.A.	. 20. 21022/0702	20.210.22/0020	а			а							
	+30 2103369700	+30 210 3369820	-										
S SECURITIES-INVESTMENT SERVICES S.A.	20 2102240000	20 210 2240000	а										
	+30 2103360800	+30 210-3360980	а	а									
IGROUP GLOBAL MARKET LTD CITIGROUP CENTER , CANADA SQ., CANARY WHARF LONDON	+44 02079864000												
IGROUP GLOBAL MARKETS EUROPE AG REUTERWEG FRANKFURT			а	а									
EDIT SUISSE SECURITIES (EUROPE) LIMITED			а	а									
CABOT SQUARE LONDON	+44 2078888888												
CLOS SECURITIES S.A.			а			а			а				
PANEPISTIMIOU ATHINA	+30 2103364300	+30 210-3239122											
UTSCHE BANK S.A.				а									
GREAT WINCHESTER STREET LONDON	+44 20 754 54209	00441133361437											
NAMIC SECURITIES S.A.			а			а			а				
YGROU AVENUE 223 & TRALLEON 2 NEA SMYRNI	+30 2103677700	210-3677777											
ROBANK EQUITIES INVESTMENT FIRM S.A	20.2102720000	210 2720001	а		а	а	a		а				
LELLINON 10 & XENOFONTOS 13 ATHINA	+30 2103720000	210-3720001						-					
ROBANK ERGASIAS S.A. DTHONOS ATHINA	+30 2103337000	210-3245916						а					
DTHONOS STR. ATHINA	(210)-3337000	(210)-3233866											
	(210)-3337969	(210)-3245916	-			_			-				
ROCORP INVESTMENT SERVICES S.A.	20 21072/ 2500	2107263666	а			а			а				
FILIKIS ETERIAS SQ, ATHINA	+30 2107263500	210/203000	а										
ROTRUST INVESTMENT FIRM SA 3, SEVASTOUPOLEOS ATHINA	+30 2103363100	+30 210-3238334	a										
ROXX SECURITIES S.A.			а		а	а	а		а				
PALAIOLOGOU CHALANDRI	(210)-6879400	(210)-6879401				-							
PALEOLOGOU CHALANDRI	+30 2106879400	210-6879401											
A. PERVANAS SECURITIES-INVESTMENT SERVICES CO S.A.			а										
, SOFOKLEOUS ATHINA	+30 2103727200	210-3210-291											
OBAL CAPITAL SECURITIES AND FINANCIAL SERVICES LTD			а	а									
AVE. ARCHIEPISKOPOU MAKARIOU NICOSIA	+357 22710710	357 22339332											
LLENIC BANK (INVESTMENTS) LTD				а									
/E.KYRIAKOU MATSI 31 - PO BOX 24747 NICOSIA	+357 22500100	357 22500110											
LENIC-AMERICAN SECURITIES S.A.			а		а	а			а				
ANDREA PAPANDREOU ATHINA	+30 2103311100	+30 210-3215968											
BC FRANCE								а					
2-111, AVE. MESOGION ATHINA	+30 2106960000	210-6929336											
EX SECURITIES S.A.			а										
RAGATSANIOU ATHINA	+30 2103213920	+30 210-3213216											
CHR. MAVRIKIS SECURITIES S.A.			а										
OFOKLEOUS ATHINA	+30 2103216730	210-3217767											
PPA SECURITIES S.A.			а			а							
VALAORITOU ATHINA	+30 2103678600	+30 210-3641002											

Section 6: Additional Infos

Athex & ATHEXClear Members List

ember Name		Stock Market		Derivat	ives Market	ATHEXClear Member			
ddress	Phone	Fax	Market Member	Remote Member	Market Maker	Proprietary	Market Maker	General Clearing	Direct Clearing
ARAMANOF SECURITIES AND INVESTMENT SERVICES S.A.			а			а			
SQ. AGION THEODORON ATHINA	+30 2103212947	+30 210-3217088							
AIKI FINANCIAL SERVICES LTD				а					
5, AVE. VYRONOS NICOSIA	357 22367367	357 22718567							
EON DEPOLAS SECURITIES S.A.			а		а	а			
CHRISTOU LADA ATHINA	+30 2103213276	+30 210-3211618							
EGA EQUITY SECURITIES & FINANCIAL SERVICES PUBLIC LTD			а	а		а			
2-44, AVE. GRIVA DIGENI NICOSIA	+357 22711711	357 22711811							
ERIT SECURITIES S.A			а		а	а			а
SOFOKLEOUS ATHINA	+30 2141008800	210-3671830							
ERRILL LYNCH INTERNATIONAL			а	а					
, KING EDWARD STREET LONDON	+44 20276281000								
CHRYSSOCHOIDIS STOCK BROKERAGE I.S.S.A.			а			а			а
9, SOFOKLEOUS ATHINA	+30 2103213913	+30 210-3216115							
ATIONAL BANK OF GREECE S.A.			а		а	а		а	
3, AKADIMIAS STR. ATHINA	(210)-3328817	(210)-3328678							
5, AIOLOU STR. ATHINA	(210)-3341000	(210)-3228187							
ATIONAL SECURITIES S.A			а		а	а	а		
5, KIFISIAS AVE , BUILDING A ATHINA	+30 2107720000	+30 210-7720002							
UNTIUS BROKERAGE AND INVESTMENT SERVICES S.A			а						
DRAGATSANIOU ATHINA	+30 2103350599	+30210-3254846							
NE PLUS CAPITAL LIMITED			а	а					
75 PRODROMOU AVENUE, ONEWORLD PARKVIEW HOUSE, 3RD FL	_OOF851122873760								
PTIMA BANK S.A.			а		а	а	а	а	
2, EGIALIAS & PARADISOU MAROUSI	+30 2108173111	+30 210-6896325							
ANTELAKIS SECURITIES S.A.			а		а	а	а		
7, ETHNIKIS ANTISTASIS B CHALANDRI	+30 2106965000	210-6929550							
EGASUS SECURITIES S.A			а			а			
7 , VALAORITOU & AMERIKIS ATHINA	+30 2103670700	+30 210-3670760							
RAEUS BANK S.A.			а			а		а	
AMERIKIS STR. ATHINA	(210)-3335000	(210)-3335079							
AMERIKIS STR ATHINA	(210)-3335918	(210)-3254207							
AMERIKIS ATHINA AMERIKIS ATHINA	+30 2103335000	210-3335079							
	+30 × 103333000	210-3333074	-		9	0	9		-
IRAEUS SECURITIES S.A. D. STADIOU ATHINA	+30 2103354100	210-3354170	а		а	а	a		а
	+30 2 103334 100	210-3334170	-	6					
ROCHOICE SECURITIES LTD 7, SPYROY KYPRIANOY NICOSIA	+357-24-661192	+357-24-662464	а	а					
	+337-24-001192	+337-24-002404	а	а		а			
HARELINK SECURITIES-FINANCIAL SERVICES LTD . THEOTOKI MEGARO ELLINA NICOSIA	+357 22554200	+357 22750852	a	a		a			
• • • • • • • • • • • •	+337 22354200	+307 22700802	-	6		2			
OCIETE GENERALE S.A. 17 COURS VALMY 92987 PUTEAUX - LA DEFENSE PARIS	22 157200504	. 221 / 21 20 / 07	а	а		а			
	+33 157290504	+33142138697	-						-
OLIDUS SECURITIES S.A	- 20 210/020/02	210 (005 (21	а			а			а
	+30 2106900600	210-6985421	-			-			
T. EM. LAVRENTAKIS SECURITIES S.A.	. 20. 210 221 222 (20 210 224/572	а			а			
9, SOFOKLEOUS ATHINA	+30 2103213336	+30 210-3246572							
HE CYPRUS INVESTMENT & SECURITIES CORPORATION LTD	257 20101705	257 0000000	а	а					
54, LIMASSOL AVENUE, STROVOLOS NICOSIA	+357 22121700	357 22338800							
BS LIMITED				а					

Tuesday, 19 November, 2019

List of Stocks under Market Making operations

Market Maker	Start Market Making
	-
DMIE (IPTO) HOLDING S.A. (CR)	Main Market
PIRAEUS SECURITIES S.A.	29/06/2017
ILPHA BANK (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	29/02/2016
EUROBANK EQUITIES INVESTMENT FIRM S.A	24/10/2012
HELLENIC-AMERICAN SECURITIES S.A.	06/02/2019
LEON DEPOLAS SECURITIES S.A.	04/01/2016
MERIT SECURITIES S.A	03/09/2013
NATIONAL SECURITIES S.A	15/01/2013
PIRAEUS SECURITIES S.A.	28/05/2013
LUMIL (CR)	Main Market
BETA SECURITIES S.A.	18/07/2013
S COMPANY SA (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	01/04/2019
TTICA BANK S.A. (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	11/11/2019
EUROXX SECURITIES S.A.	22/01/2016
PIRAEUS SECURITIES S.A.	20/09/2017
TTICA HOLDINGS (CR)	Main Market
HELLENIC-AMERICAN SECURITIES S.A.	28/12/2017
UTOHELLAS SA (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	01/07/2019
EUROXX SECURITIES S.A.	02/07/2018
VAX S.A. (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	14/12/2015
RIQ PROPERTIES (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	09/01/2019
YTE COMPUTER SA (CR)	Main Market
MERIT SECURITIES S.A	04/08/2013
C HBC AG (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	23/10/2013
NATIONAL SECURITIES S.A	29/04/2013
PIRAEUS SECURITIES S.A.	04/05/2015
ENERGY HOLDINGS (CB)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	02/01/2017
EUROBANK EQUITIES INVESTMENT FIRM S.A	02/01/2017
NL CAPITAL (CR)	Main Market
MERIT SECURITIES S.A	01/10/2018
KTER SA (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	16/10/2017
LEON DEPOLAS SECURITIES S.A.	21/05/2018
LASTRON (CR)	Main Market
LEON DEPOLAS SECURITIES S.A.	20/02/2017
LLAKTOR (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	14/03/2019
EUROXX SECURITIES S.A.	24/09/2018
HELLENIC-AMERICAN SECURITIES S.A.	14/01/2019
NATIONAL SECURITIES S.A	25/06/2013
PIRAEUS SECURITIES S.A.	22/10/2018
LTON SA (CR)	Main Market
BETA SECURITIES S.A.	03/09/2013
LEON DEPOLAS SECURITIES S.A.	01/04/2019
LVALHALCOR (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	07/05/2018
EUROBANK EQUITIES INVESTMENT FIRM S.A	07/05/2018
UROBANK ERGASIAS (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	08/01/2013
EUROBANK EQUITIES INVESTMENT FIRM S.A	01/06/2013
HELLENIC-AMERICAN SECURITIES S.A.	25/07/2014
MERIT SECURITIES S.A	06/11/2017
NATIONAL SECURITIES S.A	01/01/2017
PIRAEUS SECURITIES S.A.	28/09/2013
UROPEAN RELIANCE INSUR. (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	08/07/2019
PANTELAKIS SECURITIES S.A.	15/07/2019
YDAP S.A. (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	10/06/2019

List of Stocks under Market Making operations

Securities	Stock Category
Market Maker	Start Market Making
OURLIS (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	01/12/2016
EUROXX SECURITIES S.A.	01/12/2016
PIRAEUS SECURITIES S.A.	06/03/2017
EK TERNA (CR)	Main Market
HELLENIC-AMERICAN SECURITIES S.A.	07/09/2015
PIRAEUS SECURITIES S.A.	29/08/2019
R. SARANTIS S.A. (CR)	Main Market
BETA SECURITIES S.A.	14/05/2013
EUROBANK EQUITIES INVESTMENT FIRM S.A	24/10/2016
ELLENIC EXCHANGES-A.S.E. (CR)	Main Market
NATIONAL SECURITIES S.A	25/06/2013
PIRAEUS SECURITIES S.A.	04/05/2015
IELLENIC PETROLEUM (CR)	Main Market
HELLENIC-AMERICAN SECURITIES S.A.	14/09/2015
PIRAEUS SECURITIES S.A.	20/03/2017
(TINOS HELLAS SA (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	01/04/2019
EUROBANK EQUITIES INVESTMENT FIRM S.A	25/02/2019
NATIONAL SECURITIES S.A	24/07/2019
NTERCONTINENTAL (CR)	Main Market
LEON DEPOLAS SECURITIES S.A.	03/06/2019
NTRACOM HOLDINGS (CR)	Main Market
LEON DEPOLAS SECURITIES S.A.	08/10/2018
NTRALOT (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	18/12/2017
EUROXX SECURITIES S.A.	12/06/2017
HELLENIC-AMERICAN SECURITIES S.A.	30/05/2018
PANTELAKIS SECURITIES S.A.	07/05/2018
PIRAEUS SECURITIES S.A.	28/09/2013
UMBO SA (CR)	Main Market
MERIT SECURITIES S.A	06/11/2017
PIRAEUS SECURITIES S.A.	06/03/2017
ARAMOLEGOS SA (CR)	Main Market
EUROXX SECURITIES S.A.	04/10/2019
(LOUKINAS - LAPPAS SA (CR)	Main Market
BETA SECURITIES S.A.	22/09/2014
RI-KRI S.A. (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	07/05/2018
LEON DEPOLAS SECURITIES S.A.	16/01/2017
AMDA DEVELOPMENT SA (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	08/12/2014
PANTELAKIS SECURITIES S.A.	06/11/2017
PIRAEUS SECURITIES S.A.	29/06/2017
AMPSA HOTEL SA (CR)	Main Market
LEON DEPOLAS SECURITIES S.A.	16/01/2017
IARFIN INVESTMENT GROUP (CR)	Main Market
PIRAEUS SECURITIES S.A.	02/02/2013
ILS MULTIMEDIA SA (CR)	Main Market
PIRAEUS SECURITIES S.A.	01/08/2019
IOTOR OIL (CR)	Main Market
HELLENIC-AMERICAN SECURITIES S.A.	01/09/2014
LEON DEPOLAS SECURITIES S.A.	01/04/2019
MERIT SECURITIES S.A	25/02/2019
NATIONAL SECURITIES S.A	17/02/2014
PIRAEUS SECURITIES S.A.	04/05/2015
YTILINEOS (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	15/04/2019
EUROBANK EQUITIES INVESTMENT FIRM S.A	20/09/2017
MERIT SECURITIES S.A	25/02/2019
NATIONAL SECURITIES S.A	25/06/2013
PIRAEUS SECURITIES S.A.	04/05/2015

List of Stocks under Market Making operations

Securities	Stock Category
Market Maker	Start Market Making
ATIONAL BANK (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	08/01/2013
EUROBANK EQUITIES INVESTMENT FIRM S.A	24/10/2012
HELLENIC-AMERICAN SECURITIES S.A.	25/07/2014
LEON DEPOLAS SECURITIES S.A.	20/04/2015
MERIT SECURITIES S.A	03/09/2013
NATIONAL SECURITIES S.A PIRAEUS SECURITIES S.A.	28/02/2013
Pikaeus secukities s.a. PAP (CR)	08/09/2013 Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	08/01/2013
EUROBANK EQUITIES INVESTMENT FIRM S.A	24/10/2012
HELLENIC-AMERICAN SECURITIES S.A.	25/07/2014
MERIT SECURITIES S.A	20/03/2017
NATIONAL SECURITIES S.A	15/01/2013
PIRAEUS SECURITIES S.A.	04/05/2015
TE (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	08/01/2013
EUROBANK EQUITIES INVESTMENT FIRM S.A	24/10/2012
HELLENIC-AMERICAN SECURITIES S.A.	25/07/2014
LEON DEPOLAS SECURITIES S.A.	01/04/2019
MERIT SECURITIES S.A	20/03/2017
NATIONAL SECURITIES S.A	01/12/2012
PIRAEUS SECURITIES S.A.	08/09/2013
P.A. S.A. (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	06/02/2019
APOUTSANIS (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A. BETA SECURITIES S.A.	19/11/2018 25/11/2013
ETROPOULOS PETROS (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	01/04/2019
IRAEUS BANK (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	15/04/2019
EUROBANK EQUITIES INVESTMENT FIRM S.A	23/10/2012
EUROXX SECURITIES S.A.	15/02/2016
HELLENIC-AMERICAN SECURITIES S.A.	14/01/2019
MERIT SECURITIES S.A	16/09/2013
NATIONAL SECURITIES S.A	02/06/2013
PIRAEUS SECURITIES S.A.	16/02/2013
LAISIO COMPUTERS SA (CR)	Main Market
BETA SECURITIES S.A.	05/05/2014
EUROBANK EQUITIES INVESTMENT FIRM S.A	02/03/2015
PC (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	08/01/2013
ALPHA FINANCE INVESTMENT SERVICES S.A.	23/07/2018
EUROBANK EQUITIES INVESTMENT FIRM S.A	23/10/2012
MERIT SECURITIES S.A NATIONAL SECURITIES S.A	06/11/2017 26/03/2013
PIRAEUS SECURITIES S.A.	28/09/2013
ROFILE SA (CR)	Main Market
PANTELAKIS SECURITIES S.A.	01/07/2019
UALITY & RELIABILITY SA (CR)	Main Market
BETA SECURITIES S.A.	20/08/2014
UEST HOLDINGS (CR)	Main Market
BETA SECURITIES S.A.	26/03/2018
EUROBANK EQUITIES INVESTMENT FIRM S.A	28/01/2019
PIROY AGRICULTURE SA (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	02/09/2019
HRACE PLASTICS SA (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	26/03/2018
EUROBANK EQUITIES INVESTMENT FIRM S.A	26/03/2018
ITAN CEMENT (CB)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	07/11/2019
IOHALCO SA/NV (CB)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	17/02/2014
EUROBANK EQUITIES INVESTMENT FIRM S.A	01/01/2017
MERIT SECURITIES S.A	17/03/2014

Daily Official List Section 7: Index Futures

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

Underlying Asset									Derivatives Market					
Price max Price min Closing price change	Delivery Month	Open price Price max Price min Last price Closing price					Last Bid	Last Ask	Fixing price*	Life high Fixing price*		Trades	Volume	Open Interest
FTSE/Athex Large Cap														(Trade Unit: 1 Index Point x 2€, Cash Settlement)
2,242.51 2,216.36 2,232.79 0.42%	December 2019	2,235.00	2,247.50	2,217.00	2,236.25	2,236.25				2,252.25		205	1,189	10,669
	January 2020	2,243.25	2,246.00	2,222.50	2,230.00	2,230.00				2,248.75		14	35	203
	February 2020					2,235.25								
	March 2020					2,238.50								
	June 2020					2,249.75								
	September 2020					2,261.00								···

Derivatives notes

Daily Official List Section 7: Stock Futures

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

Antice up interview of the intervi	Underlying Asset			t								Derivativ	ves Market					
Andrew Device weight Control of the second of	Price max	Price max Price min Closing price cha		ce change	Delivery Month	Open price Price max Price min Last price Closing price					Last Bid	Last Ask	Fixing price*	Life high	Life low	Trades	Volume	Open Interest
Arrive is set is is is in the set is in the set is is in the set is in the set is is in the set is is in the set is is is in the set is is in the set is is is in the set is is in the set is is in the set is is is in the set is is in the set is is is in the set is in	ADMIE (I	IPTO) HO	LDING S	.A. (CR)														(Contract Size: 100 Securities, Physical Delivery)
Arrive is set is is is in the set is in the set is is in the set is in the set is is in the set is is in the set is is is in the set is is in the set is is is in the set is is in the set is is in the set is is is in the set is is in the set is is is in the set is in	2.22	2.18	2.21	1.38%	December 2019	2.21	2.22	2.20	2.21	2.21				2.25		14	81	7,526
Let use to the transformed by the					March 2020													
Apple BARK (CF) Sector 2019 14 19					June 2020					2.21								
Alian Alian <th< td=""><td></td><td></td><td></td><td></td><td>September 2020</td><td></td><td></td><td></td><td></td><td>2.22</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>					September 2020					2.22								
Image: state in the s	ALPHA E	Bank (Cf	२)															(Contract Size: 100 Securities, Physical Delivery)
Antom - - - 1 1 - <td>1.961</td> <td>1.885</td> <td>1.906</td> <td>-0.73%</td> <td>December 2019</td> <td>1.94</td> <td>1.97</td> <td>1.89</td> <td>1.90</td> <td>1.90</td> <td></td> <td></td> <td></td> <td>1.99</td> <td></td> <td>319</td> <td>6,986</td> <td>54,678</td>	1.961	1.885	1.906	-0.73%	December 2019	1.94	1.97	1.89	1.90	1.90				1.99		319	6,986	54,678
ATTICA JANUK SA. (CR)Spantar 200aabaaaaaaaaaaaaaaaa0.650.650.650.650.650.68-0.68-0.68-0.68-0.68-0.68-0.68-0.68-0.68-0.68-0.68 </td <td></td> <td></td> <td></td> <td></td> <td>March 2020</td> <td></td> <td></td> <td></td> <td></td> <td>1.93</td> <td></td> <td></td> <td></td> <td>1.65</td> <td></td> <td></td> <td></td> <td> 1</td>					March 2020					1.93				1.65				1
ATTICLE BARK S. (CR) Operation of the state					June 2020													
And Section 1000000000000000000000000000000000000					September 2020					1.95								
Image 200 Image 200 <thimage 200<="" th=""> Image 200 <thimage 200<="" th=""> Image 200 Image 200</thimage></thimage>	ATTICA	BANK S.	A. (CR)															(Contract Size: 100 Securities, Physical Delivery)
Ang 200	0.4525	0.434	0.4355	-2.14%	December 2019	0.445	0.445	0.435	0.435	0.435				0.468		3	3	7,477
cysical and a bit of a					March 2020					0.448								
CC HBC AG (CR) Construction Constructin					June 2020					0.450								
2 1/2 2 2 1/2 2 2 1/2 3 2 1/2 4					September 2020					0.453								
Image: series of the	CC HBC	AG (CR)																(Contract Size: 100 Securities, Physical Delivery)
Int 200 1 1 1 200 1 200 1 200 1 200 1 200 1 200 1 200 1 200 1 200 1 200 1 200 1 200 1 200	28.95	28.32	28.49	-0.66%	December 2019	29.00	29.00	28.41	28.45	28.45				31.38		50	76	530
specifie with the s					March 2020					28.88								
CENERGY HOLDINGS (CB) Contract Size 100 Securities, Physical Delivery 1.362 1.34 1.36 1.36 1.37 1.35 1.35 1.35 1.46 3 1.5 7,716					June 2020					29.02								
1342 134 135 135 135 135 136 137 134 137 138 137 134 137 134 137 134 137 134 137 134 137 134 137 134 137 134 137 134 137 134 137 134 137 134 137 134 137 <td></td> <td></td> <td></td> <td></td> <td>September 2020</td> <td></td> <td></td> <td></td> <td></td> <td>29.17</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					September 2020					29.17								
Mark 2020 Image 1	CENERG	GY HOLDI	NGS (CE	3)														(Contract Size: 100 Securities, Physical Delivery)
Image Image <th< td=""><td>1.362</td><td>1.344</td><td>1.36</td><td>36 0.15%</td><td>December 2019</td><td>1.37</td><td>1.37</td><td>1.35</td><td>1.35</td><td>1.35</td><td></td><td></td><td></td><td>1.46</td><td></td><td>3</td><td>15</td><td>7,716</td></th<>	1.362	1.344	1.36	36 0.15%	December 2019	1.37	1.37	1.35	1.35	1.35				1.46		3	15	7,716
Image: series of the series					March 2020					1.37								··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··
ELLAKTOR (CR) Contract Size 100 Securities, Physical Delevery 1.762 1.736 1.742 0.34% December 2019 1.76 1.78 1.74 1.74 1.74 2.27 87 723 20272 2027																		
1.762 1.78 1.79					September 2020					1.38								
March 2020	ELLAKT	OR (CR)																(Contract Size: 100 Securities, Physical Delivery)
June 2020	1.762	1.736	1.742	-0.34%	December 2019	1.76	1.78	1.74	1.74	1.74				2.27		87	723	20,272
September 2020					March 2020					1.76								
EUROBANK ERGASIAS (CR) 0.985 0.985 1.446 December 2019 0.980 0.988 0.988 0.988 0.98 0.988 0.98 0.9																		
0.985 0.9545 0.985 1.44% December 2019 0.980 0.988 0.958 0.987 0.987 0.978 0.978 0.978 0.978 0.978 0.978					September 2020					1.78								
March 2020 0.978	EUROBA	ANK ERG	ASIAS ((CR)														(Contract Size: 100 Securities, Physical Delivery)
March 2020 0.978	0.985	0.9545	0.985	1.44%	December 2019	0.980	0.988	0.958	0.987	0.987				0.994		89	1,650	35,861
					March 2020					0.978								
September 2020 0.987 0.987					June 2020					0.983								
					September 2020					0.987								

Derivatives notes

Daily Official List Section 7: Stock Futures

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

Underlving Asset

Underlying Asset				Derivatives Market									Life low			
Price max Price min Clos	sing price cha	ange	Delivery Month	Open price Price max Price min Last price Closing price				sing price	Last Bid	Last Ask	Life high Fixing price*			Trades	Volume	Open Interest
EYDAP S.A. (CR)																(Contract Size: 100 Securities, Physical Delivery)
7.51 7.38	7.4 -0.	.67%	December 2019	7.47	7.47	7.47	7.47	7.47				8.18		1	1	362
			March 2020					7.50								
			June 2020					7.54								
			September 2020					7.58								··· ·· ·· ·· ··
FOURLIS (CR)																(Contract Size: 100 Securities, Physical Delivery)
5.59 5.52	5.52 -0.	.54%	December 2019					5.56				5.60				201
			March 2020					5.59								
			June 2020					5.62								
			September 2020					5.64								··· ·· ·· ·· ··
GEK TERNA (CR)																(Contract Size: 100 Securities, Physical Delivery)
6.92 6.71	6.89 0.4	.44%	December 2019	6.90	6.90	6.78	6.90	6.90				6.95		11	134	10,218
			March 2020					6.91								··· ·· ·· ··
			June 2020					6.94								
			September 2020					6.98								··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··
HELLENIC EXCHANC	GES-A.S.E	E. (CR)														(Contract Size: 102 Securities, Physical Delivery)
4.58 4.505	4.57 0.3	.88%	December 2019	4.58	4.60	4.53	4.53	4.53				4.90		14	33	2,665
			March 2020					4.56								
			June 2020					4.58								
			September 2020					4.61								····
HELLENIC PETROLE	EUM (CR)															(Contract Size: 100 Securities, Physical Delivery)
8.69 8.54	8.61 -0.	.46%	December 2019	8.68	8.68	8.58	8.58	8.58				9.40		9	16	2,175
			March 2020					8.71								··· ·· ·· ··
			June 2020					8.75								
			September 2020					8.80								
INTRACOM HOLDING	GS (CR)															(Contract Size: 100 Securities, Physical Delivery)
0.889 0.874	0.88 -0.	.45%	December 2019					0.886				1.08				3,797
			March 2020					0.890				1.01				
			June 2020		0.895											
			September 2020					0.899								
INTRALOT (CR)																(Contract Size: 100 Securities, Physical Delivery)
0.4025 0.39 0	0.3965 -0.	.88%	December 2019	0.404	0.406	0.397	0.406	0.406				0.522		28	149	5,911
			March 2020					0.403								
			June 2020					0.405								
			September 2020					0.407								··· ·· ·· ··

Derivatives notes

Hellenic Exchanges – Athens Stock Exchange S.A.	Section 7, 2/4
Market Operation & Development Division - Statistics & Information Services	

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

Section 7: Stock Futures

Underlying	ng Asset								Deriva	tives Market					
Price max Price min Closing price change		Delivery Month	Open price P	rice max	Price min La	ast price Clos	ing price	Last Bid	Last Ask	Fixing price*	Life high	Life low	Trades	Volume	Open Interest
JUMBO SA (CR)		-													(Contract Size: 100 Securities, Physical Delivery
18.83 18.38	18.58 -0.11%	December 2019	18.37	18.80	18.37	18.45	18.45				18.80		47	63	552
		March 2020					18.73								
		June 2020					18.82								
		September 2020					18.92								
LAMDA DEVELOPI	Ment SA (CR)														(Contract Size: 100 Securities, Physical Delivery
7.82 7.61	7.78 1.83%	December 2019	7.68	7.84	7.65	7.84	7.84				8.96		24	139	1,873
		March 2020					7.69								
		June 2020					7.73								
		September 2020					7.77								
MARFIN INVESTME	ENT GROUP (CI	२)													(Contract Size: 100 Securities, Physical Delivery
0.103 0.0994	0.1 -0.99%	December 2019	0.101	0.104	0.100	0.100	0.100				0.160		64	1,636	79,500
		March 2020					0.102				0.110				500
		June 2020					0.102								
		September 2020					0.103								
MOTOR OIL (CR)															(Contract Size: 100 Securities, Physical Delivery
21.84 21.6	21.84 0.74%	December 2019	21.42	21.53	21.36	21.36	21.36				22.30		5	12	563
		March 2020					21.83								
		June 2020					21.94								
		September 2020					22.05								
MYTILINEOS (CR)															(Contract Size: 100 Securities, Physical Delivery
9.985 9.865	9.91 0.30%	December 2019	9.96	10.03	9.88	9.94	9.94				10.34		39	143	12,745
		March 2020					9.95								
		June 2020					10.00								
		September 2020					10.05								
NATIONAL BANK ((CR)														(Contract Size: 100 Securities, Physical Delivery
3.13 3.035	3.13 2.56%	December 2019	3.08	3.14	3.06	3.13	3.13				3.14		330	6,394	43,871
		March 2020					3.07								
		June 2020					3.09								
		September 2020					3.10								
OPAP (CR)															(Contract Size: 100 Securities, Physical Delivery
9.87 9.735	9.815 0.31%	December 2019	9.80	9.90	9.80	9.85	9.85				10.04		87	618	6,051
		March 2020					9.85								
		June 2020					9.90								
		September 2020					9.95								··· ·

Derivatives notes

Daily Official List Section 7: Stock Futures

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

Hellenic Exchanges – Athens Stock Exchange S.A.

Derivatives notes

Market Operation & Development Division - Statistics & Information Services

Fixing prices and final open positions can be retrieved from the following path http://www.helex.gr/el/web/guest/statistics-end-of-day-derivatives

	Underlyi	ing Asset									Derivat	ives Market					
Price max	Price min	Closing price	e change	Delivery Month	Open price Pr	ice max F	Price min La	ist price Clo	sing price	Last Bid	Last Ask	Fixing price*	Life high	Life low	Trades	Volume	Open Interest
OTE (CR	?)																(Contract Size: 100 Securities, Physical Delivery)
13.52	13.37	13.5	0.97%	December 2019	13.42	13.50	13.42	13.50	13.50				13.69		10	107	2,157
				March 2020					13.46								··· ·· ··
				June 2020					13.53								
				September 2020					13.60								
P.P.A. S	.A. (CR)																(Contract Size: 100 Securities, Physical Delivery)
23	22.8	22.95	0.66%	December 2019					22.84				24.17				726
				March 2020					22.96								··· ·· ·· ·· ··
				June 2020					23.07								
				September 2020					23.19								
PIRAEU	S BANK ((CR)															(Contract Size: 100 Securities, Physical Delivery)
3.186	3.122	3.176	2.39%	December 2019	3.16	3.19	3.13	3.18	3.18				3.20		314	3,098	30,219
				March 2020					3.12								··· ·· ·· ··
				June 2020					3.14								
				September 2020					3.15								··· ·· ··
PPC (CR	?)																(Contract Size: 100 Securities, Physical Delivery)
3.19	3.128	3.19	1.53%	December 2019	3.14	3.20	3.14	3.18	3.18				3.28		58	435	16,070
				March 2020					3.16								··· ·· ·· ·· ··
				June 2020					3.18								
				September 2020					3.20								
TERNA I	ENERGY	(CR)															(Contract Size: 100 Securities, Physical Delivery)
7.4	7.3	7.37	0.27%	December 2019	7.46	7.46	7.31	7.35	7.35				8.17		17	43	4,843
				March 2020					7.40								··· ·· ··
				June 2020					7.44								
				September 2020					7.47								
TITAN C	EMENT (CB)															(Contract Size: 100 Securities, Physical Delivery)
18.56	18.18	18.56	0.87%	December 2019	18.33	18.33	18.33	18.33	18.33				19.04		1	1	73
				March 2020					18.53								··· ·· ··
				June 2020					18.62								
				September 2020					18.71								··· ·· ·· ··
VIOHAL	CO SA/N\	V (CB)															(Contract Size: 100 Securities, Physical Delivery)
3.8	3.69	3.725	-1.19%	December 2019	3.81	3.82	3.73	3.73	3.73				4.23		24	107	6,244
				March 2020					3.80								··· ·· ·· ·· ··
				June 2020					3.81								
				September 2020					3.83								

Section 7: Index Options

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

FTSE/A		inge e	μ				C	Call Option	าร															Put O	otions					e Style: European, Casł	
				Decem	ber 2019						Januar	,			Other Months				Decem	ber 2019						January	2020			Other Months	
Excerise Price	Open price	Price max	Price m	n Last price	Closing price	^e Volume	Open Interest	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Volume Open Interest	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Open Interest Volume	Excerise Price
1,450	0.00	0.00	0.00	-	782.00	-	-	-	-		-		-	-		0.00	0.00	0.00	-	0.01	-	-	-	-		-		-	-		1,45
1,475	0.00	0.00	0.00	•	757.00	•	•		•		•		•	•		0.00	0.00	0.00	•	0.01	•	•		•	•		•	•	·		1,47
1,500	0.00	0.00	0.00		732.00	-	-	-	-	-		-	-	-		0.00	0.00	0.00	-	0.01	-		-	-	-	-	-	-			1,50
1,525	0.00	0.00	0.00	•	707.00	•	•		•		•		•	•		0.00	0.00	0.00	•	0.01	•	•		•	•		•	•	·		1,52
1,550	0.00	0.00	0.00		682.00	-	-					-		-		0.00	0.00	0.00		0.01			-			-	-	-	-		1,55
1,575	0.00	0.00	0.00		657.00	•			•					•		0.00	0.00	0.00	•	0.01	•	•		•	•		-	•	•		1,57
1,600	0.00	0.00	0.00	-	632.00	-	-	•	-	-		-		-		0.00	0.00	0.00		0.01	•		-			-	-	-	-		1,60
1,625	0.00	0.00	0.00		607.00	•								•		0.00	0.00	0.00		0.01	•	•	-	•	•	-	-	•	•		1,62
1,650	0.00	0.00	0.00	-	582.00	-	-	•	-	-		-		-		0.00	0.00	0.00		0.01	•		-			-	-	-	-		1,65
1,675	0.00	0.00	0.00		557.00	•								•		0.00	0.00	0.00		0.01	•	•	-	•	•	-	-	•	•		1,67
1,700	0.00	0.00	0.00	-	532.00	-	-	•		-	-	-		-		0.00	0.00	0.00		0.01	•	-	-			-	-	-			1,70
1,725	0.00	0.00	0.00		507.00		-		•			-	•			0.00	0.00	0.00	•	0.01	•	-		•	•		-				1,72
1,750	0.00	0.00	0.00	-	482.00	-	-	•		-	-	-		-		0.00	0.00	0.00		0.01	•	-	-			-	-	-			1,75
1,775	0.00	0.00	0.00		457.00		-		•			-	•			0.00	0.00	0.00	•	0.03	•	-		•	•		-				1,7
1,800	0.00	0.00	0.00	-	432.00	-	-	•	-	-		-		-		0.00	0.00	0.00		0.01		-	-	-		-	-		-		1,8
1,825	0.00	0.00	0.00		407.00	•	-					-				0.00	0.00	0.00		0.01	•	-	-			-	-		-		1,82
1,850	0.00	0.00	0.00	-	382.00	-	-	•		-	-	-		-		0.00	0.00	0.00		0.03	•	-	-			-	-	-			1,85
1,875	0.00	0.00	0.00		357.00		-		•			-	•			0.00	0.00	0.00	•	0.06	•	-		•	•		-				1,8
1,900	0.00	0.00	0.00	-	333.00	-	-	-		-	-	-		-		0.00	0.00	0.00	-	0.13		-	-	-		-	-	-			1,90
1,925	0.00	0.00	0.00		308.00	-	-	0.00	0.00	0.00	-	311.00	-			0.00	0.00	0.00	-	0.26	-	-	0.00	0.00	0.00	-	2.10				1,92
1,950	0.00	0.00	0.00	-	283.00	-	-	0.00	0.00	0.00	-	287.00	-	-		0.00	0.00	0.00	-	0.51	-	-	0.00	0.00	0.00	-	3.10	-			1,95
1,975	0.00	0.00	0.00		258.00	-	-	0.00	0.00	0.00		263.00	-			0.00	0.00	0.00	-	0.93	-	-	0.00	0.00	0.00	-	4.50				1,97
2,000	0.00	0.00	0.00		234.00	-		0.00	0.00	0.00	-	240.00	-	-		0.00	0.00	0.00	-	1.60	-	-	0.00	0.00	0.00	-	6.50	-			2,00
2,050	0.00	0.00	0.00	-	187.00	-	-	0.00	0.00	0.00	-	197.00		-		0.00	0.00	0.00	-	4.40	-	165	0.00	0.00	0.00	-	12.50	-			2,05
2,100	0.00	0.00	0.00	-	143.00		63	0.00	0.00	0.00		156.00				0.00	0.00	0.00		10.25	•	124	0.00	0.00	0.00	-	21.75	-	•		2,10
2,150	0.00	0.00	0.00	-	104.00	-	9	113.00	113.00	113.00	113.00	113.00	20	100		20.00	0.00	18.75	19.50	19.50	200	189	0.00	0.00	0.00	-	35.75	-			2,1
2,200	79.00	79.00	60.00	60.00	60.00	12	27	0.00	0.00	0.00	-	89.50	-	-		35.50	79.00	34.00	35.00	35.00	80	279	49.50	49.50	49.50	49.50	49.50	20	20		2,20
2,250	47.50	51.50	40.00	40.00	40.00	47	83	0.00	0.00	0.00		64.50	-			52.50	51.50	52.50	60.00	60.00	36	59	0.00	0.00	0.00	-	79.50	-			2,25
2,300	29.25	33.00	29.00	29.00	29.00	135	164	0.00	0.00	0.00	-	44.50	-	-		0.00	33.00	0.00	-	94.00	-	-	101.00	101.00	101.00	101.00	101.00	20	21		2,3
2,350	0.00	0.00	0.00		15.00	-	20	0.00	0.00	0.00	-	29.75	-	-		0.00	0.00	0.00	-	132.00	-	20	0.00	0.00	0.00		145.00		-		2,35
2,400	0.00	0.00	0.00	-	7.70	-	-	0.00	0.00	0.00		19.00	•	-		0.00	0.00	0.00	•	174.00			0.00	0.00	0.00		184.00		-		2,40
2,450	0.00	0.00	0.00	-	3.60	-	-	0.00	0.00	0.00	-	11.75		-		0.00	0.00	0.00		220.00			0.00	0.00	0.00		226.00		-		2,4
2,500	0.00	0.00	0.00	-	1.60	-	-	0.00	0.00	0.00	-	7.00		-		0.00	0.00	0.00		268.00		-	0.00	0.00	0.00		271.00	•	-		2,50
	Totals:					194	366						20	100	0 0						316	836						40	41	0 0	-
	Number o	of Trades	-				17							1	0							21							2	0	

Hellenic	Exchanges –	Athens	Stock	Exchange	S.A.

Market Operation & Development Division - Statistics & Information Services

Section 7: Stock Options
ALPHA BANK (CR)

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

							(Call Optic	ons															Put Op	ptions						
				Decem	ber 2019						January 20	020			Other Months	-			Decem	ber 2019						Januar	,			Other Mo	nths
Excerise Price	Open price	Price max	Price mi	n Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last Clo price	osing price Vo	Open la lume	nterest	Volume Open Interest	Open price	Price max	Price m	in Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last price	Closing price	⁹ Volume	Open Interest	t Oper Volume	n Interest Excerise Price
0.600	0.000	0.000	0.000		1.32	-	-									0.000	0.000	0.000		0.001	-							-	-		0.000
0.650	0.000	0.000	0.000		1.27	-										0.000	0.000	0.000	1	0.001	-	-						•	-		0.00
0.700	0.000	0.000	0.000		1.22		-									0.000	0.000	0.000		0.001	-	-							-		0.00
0.750	0.000	0.000	0.000		1.17	-	-									0.000	0.000	0.000	1	0.001	-	-						-	•		0.008
0.800	0.000	0.000	0.000		1.12									-		0.000	0.000	0.000		0.001	-							•	•		0.008
0.850	0.000	0.000	0.000		1.07	-	-									0.000	0.000	0.000	1	0.002	-	-						-	•		0.00
0.900	0.000	0.000	0.000		1.02		-									0.000	0.000	0.000		0.003	-	-							-		0.00
0.950	0.000	0.000	0.000		0.972	-	-									0.000	0.000	0.000	l.	0.001	-	-						-	•		0.010
1.000	0.000	0.000	0.000		0.922									-		0.000	0.000	0.000		0.001	-							•	•		0.010
1.100	0.000	0.000	0.000		0.822	-	-							-		0.000	0.000	0.000	1	0.001	-	-						-	-		0.01
1.200	0.000	0.000	0.000		0.722			0.000	0.000	0.000		0.724		-		0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000		0.003				0.012
1.300	0.000	0.000	0.000		0.622	-	-	0.000	0.000	0.000		0.625		-		0.000	0.000	0.000	1	0.002	-	-	0.000	0.000	0.000		0.001	•	-		0.013
1.400	0.000	0.000	0.000		0.523			0.000	0.000	0.000		0.527		-		0.000	0.000	0.000		0.001	-		0.000	0.000	0.000		0.002		•		0.014
1.500	0.000	0.000	0.000		0.424	-	-	0.000	0.000	0.000		0.432		-		0.000	0.000	0.000	1	0.001	-	-	0.000	0.000	0.000		0.007	-	-		0.01
1.600	0.000	0.000	0.000		0.328			0.000	0.000	0.000		0.343		-		0.000	0.000	0.000		0.005		-	0.000	0.000	0.000		0.018				0.016
1.700	0.000	0.000	0.000		0.238	-	-	0.000	0.000	0.000		0.263		-		0.000	0.000	0.000	1	0.015	-	-	0.000	0.000	0.000		0.038	•	-		0.01
1.800	0.000	0.000	0.000		0.161		35	0.000	0.000	0.000		0.194		-		0.000	0.000	0.000		0.038	-		0.000	0.000	0.000		0.068	•	•		0.018
1.900	0.000	0.000	0.000		0.101	-	5	0.000	0.000	0.000		0.137		-		0.000	0.000	0.000	1	0.077	-	-	0.000	0.000	0.000		0.111				0.019
2.000	0.000	0.000	0.000		0.057	•		0.000	0.000	0.000		0.093				0.000	0.000	0.000		0.134	-	•	0.000	0.000	0.000		0.167	•	•		0.020
2.200	0.000	0.000	0.000		0.014	-		0.000	0.000	0.000		0.038		-		0.000	0.000	0.000	1	0.292	-	-	0.000	0.000	0.000		0.313				0.022
2.400	0.000	0.000	0.000		0.003	•		0.000	0.000	0.000		0.014				0.000	0.000	0.000		0.481	•	-	0.000	0.000	0.000		0.489				0.024
2.600	0.000	0.000	0.000		0.001	-		0.000	0.000	0.000		0.005				0.000	0.000	0.000		0.680	-		0.000	0.000	0.000		0.681		-		0.020
2.800	0.000	0.000	0.000		0.001			0.000	0.000	0.000		0.001				0.000	0.000	0.000		0.880	-		0.000	0.000	0.000		0.880	•			0.028
	Totals:					0	40						0 0	0	0 0						0	0						0	0	0	0
	Number	of Trades	5:				0						0		0							0.00							0	0	

Section 7: Stock Options

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

NATION	AL BA	ANK (C	R)						Call Optic																Put Opti	006	(Contra	ct Size: 100	Securitie	s, Excercise	Style: Amer	can, Physic	al Deliver.
				Deee	mb or D	010				JIIS	lanı				Other Ma					Decem	hor 2010				Put Optio			000			Other	lontho	
					mber 2							uary 2020			Other Mo						ber 2019						January 2				Other N		
Excerise Price	Open price		Price	min Last price		ing price	Volume	Open Interest	Open price	Price max	Price min Last price		Volume	Open Interest	Volume Ope		Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Open price	Price Pr max		Last Cl price	osing price	Volume	Open Interest	Volume	en Interest	Excerise Price
0.650	0.000	0.000	0.00	00		2.40	-							•		C	0.000	0.000	0.000		0.002		•						-				0.007
0.700	0.000	0.000	0.00	00		2.35	-						-	-		C	0.000	0.000	0.000		0.001		-						-				0.007
0.750	0.000	0.000	0.00	00		2.30		-						-		C	0.000	0.000	0.000		0.001		-							-			0.008
0.800	0.000	0.000	0.00	00		2.25	-	-					-	-		C	0.000	0.000	0.000		0.001	-	-						-	-			0.008
0.850	0.000	0.000	0.00	00		2.20		-					-	-		C	0.000	0.000	0.000		0.001	-	-						-	-			0.009
0.900	0.000	0.000	0.00	00		2.15		-					-	-		C	0.000	0.000	0.000		0.001	-	-						-	-			0.009
0.950	0.000	0.000	0.00	00		2.10		-						-		C	0.000	0.000	0.000		0.001		-							-			0.010
1.000	0.000	0.000	0.00	00		2.05	-	-					-	-		C	0.000	0.000	0.000		0.001	-	-						-	-			0.010
1.100	0.000	0.000	0.00	00		1.95	-	-					-	-		C	0.000	0.000	0.000		0.001	-	-						-	-			0.011
1.200	0.000	0.000	0.00	00		1.85	•	-					-	-		C	0.000	0.000	0.000		0.001	-	-						-	-			0.012
1.300	0.000	0.000	0.00	00		1.75		-					-	-		C	0.000	0.000	0.000		0.002	-	-						-	-			0.013
1.400	0.000	0.000	0.00	00		1.65	•	-					-	-		C	0.000	0.000	0.000		0.001	-	-						-	-			0.014
1.500	0.000	0.000	0.00	00		1.55		-					-	-		C	0.000	0.000	0.000		0.001	-	-						-	-			0.015
1.600	0.000	0.000	0.00	00		1.45	-	-					-	-		C	0.000	0.000	0.000		0.001	-	-						-	-			0.016
1.700	0.000	0.000	0.00	00		1.35		-					-	-		C	0.000	0.000	0.000		0.001	-	-						-	-			0.017
1.800	0.000	0.000	0.00	00		1.25	-	-					-	-		C	0.000	0.000	0.000		0.001	-	-						-	-			0.018
1.900	0.000	0.000	0.00	00		1.15		-	0.000	0.000	0.000	1.16	-	-		C	0.000	0.000	0.000		0.001	-	-	0.000	0.000 0	0.000		0.001	-	-			0.019
2.000	0.000	0.000	0.00	00		1.05	-	-	0.000	0.000	0.000	1.06	-	-		C	0.000	0.000	0.000		0.001	-	-	0.000	0.000 0	0.000		0.001	-	-			0.020
2.200	0.000	0.000	0.00	00	(0.854	-	-	0.000	0.000	0.000	0.863	-	-		C	0.000	0.000	0.000		0.002	-	-	0.000	0.000 0	0.000		0.006	-	-			0.022
2.400	0.000	0.000	0.00	00	().657	•	-	0.000	0.000	0.000	0.678	-	-		C	0.000	0.000	0.000		0.003	-	-	0.000	0.000 0	0.000		0.020	-	-			0.024
2.600	0.000	0.000	0.00	00	().469		10	0.000	0.000	0.000	0.509	-	60		C	0.000	0.000	0.000		0.015	-	550	0.000	0.000 0	0.000		0.050	-	-			0.026
2.800	0.000	0.000	0.00	00	(0.304	-	5	0.000	0.000	0.000	0.365	-	-		C	0.000	0.000	0.000		0.050	-	-	0.000	0.000 0	0.000		0.106	-	-			0.028
3.000	0.000	0.000	0.00	00	().176	-	-	0.000	0.000	0.000	0.249	-	-		C	0.000	0.000	0.000		0.121	-	-	0.000	0.000 0	0.000		0.190	-	-			0.030
3.200	0.100	0.100	0.10	0.10	0 0	0.100	10	-	0.000	0.000	0.000	0.161	-	-		C	0.000	0.000	0.000		0.235	-	-	0.000	0.000 0	0.000		0.301	-	-			0.032
3.400	0.000	0.000	0.00	00	(0.041	-	•	0.000	0.000	0.000	0.100	-	-		C	0.000	0.000	0.000		0.386		-	0.000	0.000 (0.000		0.440	-	•			0.034
3.600	0.000	0.000	0.00	00	(0.016			0.000	0.000	0.000	0.060	-	-		C	0.000	0.000	0.000		0.562		-	0.000	0.000 (0.000		0.601	-				0.036
3.800	0.000	0.000	0.00	00	(0.006		·	0.000	0.000	0.000	0.034	•	-		C	0.000	0.000	0.000		0.753	•	-	0.000	0.000 (0.000		0.776		•			0.038
4.000	0.000	0.000	0.00	00	(0.002			0.000	0.000	0.000	0.019				C	0.000	0.000	0.000		0.950		•	0.000	0.000 (0.000		0.961		•			0.040
	Totals:						10	15					0	60	0	0						10	550						0	0	0	0	
	Number	of Trades	5:					1						0	0								0.00							0	C)	

Section 7: Stock Options

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

OPAP (0	CR)																									(Contra	ct Size: 10) Securities	, Excercise	Style: American, Physi	cal Deliver
							(Call Optic	ons															Put C	Options						
				Decem	ber 2019						Januar	,			Other Months				Decem	nber 2019						January	2020			Other Months	
Excerise Price	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last price	Closing price V	Open olume	Interest	Open Interest	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last C price	losing price	Volume ^O	pen Interest	Volume Open Interest	Excerise Price
5.600	0.000	0.000	0.000		4.20	-	-							-		0.000	0.000	0.000		0.008	-	-									0.056
6.000	0.000	0.000	0.000		3.80	•							•	•		0.000	0.000	0.000		0.002	•	•						•	•		0.060
6.400	0.000	0.000	0.000		3.40	-							-	-		0.000	0.000	0.000		0.001	-							-	•		0.064
6.800	0.000	0.000	0.000		3.00	•							•	•		0.000	0.000	0.000		0.001	•	•						•	•		0.068
7.200	0.000	0.000	0.000		2.60	-	-						-	-		0.000	0.000	0.000		0.001	-	-									0.072
7.600	0.000	0.000	0.000		2.20	-		0.000	0.000	0.000		2.22				0.000	0.000	0.000		0.001	•	•	0.000	0.000	0.000		0.001	•	•		0.076
8.000	0.000	0.000	0.000		1.80	-		0.000	0.000	0.000		1.82	-	-		0.000	0.000	0.000		0.001	-		0.000	0.000	0.000		0.002		•		0.080
8.400	0.000	0.000	0.000		1.41	-		0.000	0.000	0.000		1.43	-			0.000	0.000	0.000		0.001	-		0.000	0.000	0.000		0.009	•	•		0.084
8.800	0.000	0.000	0.000		1.01	-	-	0.000	0.000	0.000		1.05	-	-		0.000	0.000	0.000		0.007	-		0.000	0.000	0.000		0.035		•		0.088
9.200	0.000	0.000	0.000		0.647			0.000	0.000	0.000		0.720	-			0.000	0.000	0.000		0.041		10	0.000	0.000	0.000		0.100	•	•		0.092
9.600	0.000	0.000	0.000		0.348	-	5	0.000	0.000	0.000		0.446	-	-		0.000	0.000	0.000		0.142	-	3	0.000	0.000	0.000		0.226		•		0.096
10.000	0.000	0.000	0.000		0.152	-	1	0.000	0.000	0.000		0.249	-			0.000	0.000	0.000		0.346	-		0.000	0.000	0.000		0.429	•	•		0.100
11.000	0.000	0.000	0.000		0.006	-	-	0.000	0.000	0.000		0.035	-	-		0.000	0.000	0.000		1.21	-	-	0.000	0.000	0.000		1.22		•		0.110
12.000	0.000	0.000	0.000		0.002			0.000	0.000	0.000		0.002	-			0.000	0.000	0.000		2.21	•	-	0.000	0.000	0.000		2.21	•	•		0.120
13.000	0.000	0.000	0.000		0.001	-		0.000	0.000	0.000		0.001	-	-		0.000	0.000	0.000		3.21	-	-	0.000	0.000	0.000		3.21				0.130
14.000	0.000	0.000	0.000		0.001	-		0.000	0.000	0.000		0.001				0.000	0.000	0.000		4.21		•	0.000	0.000	0.000		4.21				0.140
15.000	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000		0.001		-		0.000	0.000	0.000		5.21	-	-	0.000	0.000	0.000		5.21	-			0.150
	Totals:					0	6						0	0	0 0						0	13						0	0	0 0	
	Number o	of Trades:					0						0		0							0.00							0	0	

Section 7: Stock Options

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

OTE (CF	र)																									(Contract	Size: 100) Securitie	es, Excercise	Style: American, Phy	sical Delivery
							C	Call Optio	ons															Put C	ptions						
				December	2019						Januar	ry 2020			Other Months				Decem	ber 2019						January 20	20			Other Months	
Excerise Price	Open price	Price max	Price min	Last C price	losing price	Volume	Open Interest	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Volume Open Interest	Open price	Price max	Price mi	in Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last Clos price	ing price	Volume	Open Interest	Open Interes	st Excerise Price
7.600	0.000	0.000	0.000		5.78	-	-						-	-		0.000	0.000	0.000		0.004	-	-						-			0.076
8.000	0.000	0.000	0.000		5.38	-	-						-	-		0.000	0.000	0.000	1	0.001	•	-							-		0.080
8.400	0.000	0.000	0.000		4.98	•										0.000	0.000	0.000		0.001	•										0.084
8.800	0.000	0.000	0.000		4.59	-	-						-	-		0.000	0.000	0.000	1	0.001	•	-							-		0.088
9.200	0.000	0.000	0.000		4.19	•		0.000	0.000	0.000		4.20		•		0.000	0.000	0.000		0.001	•	-	0.000	0.000	0.000	C	.001	•	•		0.092
9.600	0.000	0.000	0.000		3.79	-	-	0.000	0.000	0.000		3.80	-	-		0.000	0.000	0.000	1	0.001	•	-	0.000	0.000	0.000	C	.001		-		0.096
10.000	0.000	0.000	0.000		3.39	•		0.000	0.000	0.000		3.40		•		0.000	0.000	0.000		0.001	•	-	0.000	0.000	0.000	C	.001	•	•		0.100
11.000	0.000	0.000	0.000		2.39	-	-	0.000	0.000	0.000		2.41	-	-		0.000	0.000	0.000	1	0.001		-	0.000	0.000	0.000	C	.003				0.110
12.000	0.000	0.000	0.000		1.39			0.000	0.000	0.000		1.43		•		0.000	0.000	0.000		0.003		•	0.000	0.000	0.000	C	.020				0.120
13.000	0.000	0.000	0.000		0.507		-	0.000	0.000	0.000		0.607	-	-		0.000	0.000	0.000	1	0.114	-	71	0.000	0.000	0.000	C	.195	-			0.130
14.000	0.000	0.000	0.000		0.073	•	82	0.000	0.000	0.000		0.155		31		0.000	0.000	0.000		0.684	•	-	0.000	0.000	0.000	C	.747	•	•		0.140
15.000	0.000	0.000	0.000		0.003	-	40	0.000	0.000	0.000		0.021	-	-		0.000	0.000	0.000	1	1.63		-	0.000	0.000	0.000		1.63				0.150
16.000	0.000	0.000	0.000		0.001	•		0.000	0.000	0.000		0.002	-	•		0.000	0.000	0.000		2.63	•		0.000	0.000	0.000		2.63				0.160
17.000	0.000	0.000	0.000		0.001		-	0.000	0.000	0.000		0.001	-	-		0.000	0.000	0.000	1	3.63	-	-	0.000	0.000	0.000		3.63	-			0.170
18.000	0.000	0.000	0.000		0.001			0.000	0.000	0.000		0.001				0.000	0.000	0.000		4.63		•	0.000	0.000	0.000		1.63				0.180
19.000	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000		0.001	-	-		0.000	0.000	0.000	1	5.63		-	0.000	0.000	0.000		5.63		-		0.190
	Totals:					0	122						0	31	0 0						0	71						0	21	0 0	-
	Number o	of Trades:					0							0	0							0.00							0	0	

Section 7: Stock Options

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

PIRAEL	12 RAI	VIK (UI	()						(Call Optic	ons														Put C	Options	UUU	1001 JIZE. IU	JU JULUIII	US, ENUCIUISC	Style: American, Physic	Sai Delivel)
				De	ecember	2019							Januar	,		Other Months					ber 2019						Januar	y 2020			Other Months	
Excerise Price	Open price		Price	e min	Last C price	losing prio	^{ce} Vo	0 Diume	pen Interest	Open price	Price max	Price min	Last price	Closing price Vo	Open Intere	open Interest	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last price	Closing price	^e Volume	Open Interest	Open Interest	Excerise Price
0.300	0.000	0.000	0.0	000		2.80		-	-								0.000	0.000	0.000		0.001								-	-		0.003
0.350	0.000	0.000	0.0	000		2.75		•	-								0.000	0.000	0.000		0.001	•	-							-		0.004
0.400	0.000	0.000	0.0	000		2.70		-	-								0.000	0.000	0.000		0.001	•							•	-		0.004
0.450	0.000	0.000	0.0	000		2.65		-	-								0.000	0.000	0.000		0.001	-							-	-		0.005
0.500	0.000	0.000	0.0	000		2.60		-	-								0.000	0.000	0.000		0.001	-							-	-		0.005
0.550	0.000	0.000	0.0	000		2.55		•	-								0.000	0.000	0.000		0.001	-										0.006
0.600	0.000	0.000	0.0	000		2.50		-	-								0.000	0.000	0.000		0.002	-	-						-	-		0.006
0.650	0.000	0.000	0.0	000		2.45		•	-								0.000	0.000	0.000		0.001	-										0.007
0.700	0.000	0.000	0.0	000		2.40		-									0.000	0.000	0.000		0.001	-	-						-	-		0.007
0.750	0.000	0.000	0.0	000		2.35			-								0.000	0.000	0.000		0.001	-										0.008
0.800	0.000	0.000	0.0	000		2.30		-	-								0.000	0.000	0.000		0.001	-	-						-	-		0.008
0.850	0.000	0.000	0.0	000		2.25		-	-								0.000	0.000	0.000		0.001	-							-			0.009
0.900	0.000	0.000	0.0	000		2.20		-	-						· ·		0.000	0.000	0.000		0.001	-	-						-			0.009
0.950	0.000	0.000	0.0	000		2.15		-									0.000	0.000	0.000		0.001	-	-						-	-		0.010
1.000	0.000	0.000	0.0	000		2.10		-									0.000	0.000	0.000		0.001	-	-						-	-		0.010
1.100	0.000	0.000	0.0	000		2.00		-									0.000	0.000	0.000		0.001	-	-						-	-		0.011
1.200	0.000	0.000	0.0	000		1.90		-	-								0.000	0.000	0.000		0.001	-	-						-	-		0.012
1.300	0.000	0.000	0.0	000		1.80		-	-								0.000	0.000	0.000		0.001	-							-			0.013
1.400	0.000	0.000	0.0	000		1.70		-	•						· ·		0.000	0.000	0.000		0.002	•										0.014
1.500	0.000	0.000	0.0	000		1.60		-	-								0.000	0.000	0.000		0.001	-							-			0.015
1.600	0.000	0.000	0.0	000		1.50		-	-								0.000	0.000	0.000		0.001	-	-						-	-		0.016
1.700	0.000	0.000	0.0	000		1.40		-	-								0.000	0.000	0.000		0.001	-							-			0.017
1.800	0.000	0.000	0.0	000		1.30		-	•						· ·		0.000	0.000	0.000		0.001	•										0.018
1.900	0.000	0.000	0.0	000		1.20		•	-	0.000	0.000	0.000		1.21			0.000	0.000	0.000		0.001	-		0.000	0.000	0.000		0.003	•	-		0.019
2.000	0.000	0.000	0.0	000		1.10		•	•		0.000			1.11			0.000				0.001			0.000	0.000	0.000		0.001		-		0.020
2.200	0.000	0.000	0.0	000		0.904		•	-	0.000	0.000	0.000		0.911			0.000		0.000		0.004	-		0.000	0.000	0.000		0.004	•	-		0.022
2.400	0.000	0.000	0.0	000		0.706		-	-	0.000	0.000	0.000		0.722			0.000	0.000	0.000		0.002	-	-	0.000	0.000	0.000		0.014	-	-		0.024
2.600	0.000	0.000	0.0	000		0.515		-	-	0.000	0.000	0.000		0.548			0.000	0.000	0.000		0.010	-		0.000	0.000	0.000		0.039	-			0.026
2.800	0.000	0.000	0.0	000		0.342		-	10	0.000	0.000	0.000		0.394	- 70		0.000	0.000	0.000		0.037	•		0.000	0.000	0.000		0.085	-	-		0.028
3.000	0.000	0.000	0.0	000		0.203		-	1	0.000	0.000	0.000		0.271	- 2		0.000	0.000	0.000		0.098	-		0.000	0.000	0.000		0.162	-	-		0.030
3.200	0.000					0.107		•		0.000				0.177			0.000		0.000		0.202		-	0.000		0.000		0.267		-		0.032
3.400	0.000	0.000	0.0	000		0.050		•	-	0.000	0.000	0.000		0.109			0.000	0.000	0.000		0.345	•	-	0.000	0.000	0.000		0.399		-		0.034
3.600	0.000	0.000	0.0	000		0.021		•		0.000	0.000	0.000		0.064			0.000	0.000	0.000		0.516	•		0.000	0.000	0.000		0.555		-		0.036
3.800	0.000	0.000	0.0	000		0.007		-	-	0.000	0.000	0.000		0.036			0.000	0.000	0.000		0.704	-	-	0.000	0.000	0.000		0.728	-	-		0.038
4.000	0.000	0.000	0.0	000		0.003		-	-	0.000	0.000	0.000		0.020			0.000	0.000	0.000		0.900	-	-	0.000	0.000	0.000		0.912	-	-		0.040
4.400	0.000	0.000	0.0	000		0.002		•	-	0.000	0.000	0.000		0.005			0.000	0.000	0.000		1.30	-		0.000	0.000	0.000		1.30	-	-		0.044

Hellenic Exchanges – Athens Stock Exchange S.A.

Section 7: Stock Options

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

PIRAEU	IS BAI	NK (C	CR)																									(Con	tract Size: 10	0 Securit	ies, Excercise	Style: A	merican, Phys	ical Delivery)
							C	Call Option	IS																	Put O	ptions							
				Decem	ber 2019					Ja	nuary 20	20			Othe	r Months				Decem	ber 2019							Januar	y 2020			Oth	ner Months	
Excerise Price	Open price			Last price	Closing prid	^{ce} Volume	Open Interest	Open price	Price P max	rice min La pr	ist Clos	ing price Volu	me Op	pen Interest	Volume	Open Interest	Open price	Price max	Price min	Last price	Closing p	rice Volun	Ope ne	en Interest	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Volume	Open Interest	Excerise Price
	Totals:					0	11					0		72	0	0						0		0						0	50	0	0	<u> </u>
	Number	r of Trac	des:				0						0	0		0							0.0	D							0		0	

PPC (CR)

Section 7: Stock Options

Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019

								C	all Optio	ons															Put O	ptions							
				Decem	ber 2019								ry 2020			Other Months					nber 2019							ry 2020				Other Months	
Excerise Price	Open price	Price max	Price m	in Last price	Closing price	Volu	ume Op	en Interest	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Open Interest Volume	Open price	Price max	Price r	min Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last price	Closing pr	rice Volume	Open Inte	terest	Open Interes	est Excerise Price
0.900	0.000	0.000	0.000)	2.24	-								-	-		0.000	0.000	0.00	0	0.001	-		-					-				0.00
0.950	0.000	0.000	0.000)	2.19	-								-	-		0.000	0.000	0.00	0	0.001	-							•	-			0.01
1.000	0.000	0.000	0.000)	2.14			•						-			0.000	0.000	0.00	0	0.001												0.01
1.100	0.000	0.000	0.000)	2.04	-		•						-	-		0.000	0.000	0.00	0	0.001	-							•	-			0.01
1.200	0.000	0.000	0.000)	1.94			•						-	•		0.000	0.000	0.00	0	0.001		•							-			0.01
1.300	0.000	0.000	0.000)	1.84	-		•						-	-		0.000	0.000	0.00	0	0.001	-							•	-			0.01
1.400	0.000	0.000	0.000)	1.74			•						-			0.000	0.000	0.00	0	0.001		-							-			0.01
1.500	0.000	0.000	0.000)	1.64									-	-		0.000	0.000	0.00	0	0.001	-							•	-			0.01
1.600	0.000	0.000	0.000)	1.54			·						•	•		0.000	0.000	0.00	0	0.001		•										0.01
1.700	0.000	0.000	0.000)	1.44									-	-		0.000	0.000	0.00	0	0.001	-							•	-			0.01
1.800	0.000	0.000	0.000)	1.34			·						•	•		0.000	0.000	0.00	0	0.001		•										0.01
1.900	0.000	0.000	0.000)	1.24	-								-	-		0.000	0.000	0.00	0	0.001	-	-						•	-			0.01
2.000	0.000	0.000	0.000)	1.14			•	0.000	0.000	0.000		1.15	-	•		0.000	0.000	0.00	0	0.001	•	•	0.000	0.000	0.000		0.001	•	•			0.02
2.200	0.000	0.000	0.000)	0.944				0.000	0.000	0.000		0.952	-	-		0.000	0.000	0.00	0	0.001	-	-	0.000	0.000	0.000		0.005		-			0.02
2.400	0.000	0.000	0.000)	0.747			•	0.000	0.000	0.000		0.763	-			0.000	0.000	0.00	0	0.002			0.000	0.000	0.000		0.015	•	-			0.02
2.600	0.000	0.000	0.000)	0.556				0.000	0.000	0.000		0.589	-	-		0.000	0.000	0.00	0	0.011	-		0.000	0.000	0.000		0.041		-			0.02
2.800	0.000	0.000	0.000)	0.383			•	0.000	0.000	0.000		0.435	-			0.000	0.000	0.00	0	0.038	•	11	0.000	0.000	0.000		0.086	•				0.02
3.000	0.000	0.000	0.000)	0.242			11	0.000	0.000	0.000		0.308	-	-		0.067	0.067	0.06	0.067	0.067	5	26	0.132	0.132	0.132	0.132	0.132	5	10)		0.03
3.200	0.000	0.000	0.000)	0.139			11	0.000	0.000	0.000		0.209	-			0.000	0.000	0.00	0	0.193	•		0.000	0.000	0.000		0.259	•				0.03
3.400	0.000	0.000	0.000)	0.071	-		30	0.000	0.000	0.000		0.136	-	5		0.000	0.000	0.00	0	0.326	-		0.000	0.000	0.000		0.386		-			0.03
3.600	0.000	0.000	0.000)	0.033			5	0.000	0.000	0.000		0.085				0.000	0.000	0.00	0	0.489			0.000	0.000	0.000		0.535	•				0.03
3.800	0.000	0.000	0.000)	0.014				0.000	0.000	0.000		0.051	-	-		0.000	0.000	0.00	0	0.670	-		0.000	0.000	0.000		0.702					0.03
4.000	0.000	0.000	0.000)	0.006				0.000	0.000	0.000		0.030	-			0.000	0.000	0.00	0	0.862			0.000	0.000	0.000		0.881		-			0.04
4.400	0.000	0.000	0.000)	0.001				0.000	0.000	0.000		0.009	-	-		0.000	0.000	0.00	0	1.26	-		0.000	0.000	0.000		1.26		-			0.04
	Totals:					0)	57						0	5	0 0						0	37						5	15	5	0 0	
	Number	of Trades	5:				0								0	0							1.00							1		0	

			M	ultilateral Trar	sactions[1]		Bilatoral	Transactions[2]	Stock Borrowing through OTC (volume)[3]
						Auerogo			
Lending Products	Underlying Title	Open Interest[5]	Volume(Offered)	Average Weighted	Transactions volume	Average Weighted	Transactions Volume	Average Weighte	Transactions Volume
ADMIEBOR	ADMIE (IPTO) HOLDING S.A. (CR)								115,644
AEGNBOR	AEGEAN AIRLINES (CR)	3,800							11,211
ALPHABOR	ALPHA BANK (CR)	23,000							46,310,821
ALMYBOR	ALUMIL (CR)								
TATTBOR	ATTICA BANK S.A. (CR)								370
EEEBOR	CC HBC AG (CR)	7,450					1,623	0.01%	70,546
CENERBOR	CENERGY HOLDINGS (CB)								
ELLAKTORBOR	ELLAKTOR (CR)	60,150							1,898
EUROBBOR	EUROBANK ERGASIAS (CR)	83,985							57,601,517
EYDAPBOR	EYDAP S.A. (CR)	850							232,781
FFGRPBOR	FOLLI FOLLIE (CR)								1,120,847
FOYRKBOR	FOURLIS (CR)	8,170							8,391
GEKTERNABOR	GEK TERNA (CR)								24,493
SARBOR	GR. SARANTIS S.A. (CR)	2,765							612
EXAEBOR	HELLENIC EXCHANGES-A.S.E. (CR)								123,778
ELPEBOR	HELLENIC PETROLEUM (CR)								68,833
INTRKBOR	INTRACOM HOLDINGS (CR)								
INLOTBOR	INTRALOT (CR)								514,512
BELABOR	JUMBO SA (CR)	27,915							108,098
LAMDABOR	LAMDA DEVELOPMENT SA (CR)	384							8,000
MIGBOR	MARFIN INVESTMENT GROUP (CR)								1,659,474
MOHBOR	MOTOR OIL (CR)	7,400							48,134
MYTILBOR	MYTILINEOS (CR)								25,742
ETEBOR	NATIONAL BANK (CR)	21,520							20,774,587
OPAPBOR	OPAP (CR)	3,000							1,279,606
HTOBOR	OTE (CR)	12,372							566,797
PPABOR	P.P.A. S.A. (CR)	115							2,901
TPEIRBOR	PIRAEUS BANK (CR)						38,077	10.00%	24,228,132
PLAISBOR	PLAISIO COMPUTERS SA (CR)								1,000
PPCBOR	PPC (CR)	17,600							6,881,422
QUALBOR	QUALITY & RELIABILITY SA (CR)								

Stock Lending Notes

Daily Official List

[1] - Multilateral contracts Lending or Borrowing as per Methods 8-1, 8-2 and 8-3-3 (According to ATHEX BoD Resolution No.17)

[2] - Billateral Contracts Lending or Borrowing as per Methods 8-3-1 and 8-3-2 (According to ATHEX BoD Resolution No.20)

[3] - The information concerning OTC Stock Borrowing Transactions is based on the statements of the Dematerialised Securities System (DSS) operators involved and refers to volumes that have been registered up until the previous working day.

[4] - Average Price (Volume weighted)

[5] - The Data concerning Open Interest before the start of trading session

Hellenic Exchanges – Athens Stock Exchange S.A.

Market Operation & Development Division - Statistics & Information Services

Year: 140 Trading Day No: 220

Daily Official List Section 7: Stock Lending An	alytic Figures								Year: 140 Trading Day No: 220 Tuesday, 19 November, 2019
			M	ultilateral Tran	sactions[1]		Bilateral	Transactions[2]	Stock Borrowing through OTC (volume)[3]
Lending Products	Underlying Title	Open Interest[5]	Volume(Offered)	Average Weighted	Transactions volume	Average Weighted	Transactions Volume	Average Weighte	Transactions Volume
TENERGYBOR	TERNA ENERGY (CR)								12,892
TITCBOR	TITAN CEMENT (CB)	4,700							7,110
VIOBOR	VIOHALCO SA/NV (CB)								

Stock Lending Notes

[1] - Multilateral contracts Lending or Borrowing as per Methods 8-1, 8-2 and 8-3-3 (According to ATHEX BoD Resolution No.17)

[2] - Billateral Contracts Lending or Borrowing as per Methods 8-3-1 and 8-3-2 (According to ATHEX BoD Resolution No.20)

[3] - The information concerning OTC Stock Borrowing Transactions is based on the statements of the Dematerialised Securities System (DSS) operators involved and refers to volumes that have been registered up until the previous working day.

[4] - Average Price (Volume weighted)

[5] - The Data concerning Open Interest before the start of trading session

Hellenic Exchanges – Athens Stock Exchange S.A. Market Operation & Development Division - Statistics & Information Services Appendix A: Sectors codification for listed companies

Sectors codification for listed companies

12003 -	ETF	10101010	Computer Services
10101015	Software	10102030	Computer Hardware
15101010	Telecommunications Equipment	15102015	Telecommunications Services
20101010	Health Care Facilities	20101025	Health Care Services
20102010	Medical Equipment	20103015	Pharmaceuticals
30101010	Banks	30202000	Diversified Financial Services
30202010	Asset Managers & Custodians	30202015	Investment Services
30302010	Full Line Insurance	30302015	Insurance Brokers
35101010	Real Estate Holding and Development	35101015	Real Estate Services
35102000	Diversified REITs	35102030	Office REITs
40201040	Rental & Leasing Services: Consumer	40202010	Home Construction
40202015	Household Furnishings	40202020	Household Appliance
40203040	Electronic Entertainment	40203045	Toys
40204020	Clothing & Accessories	40301010	Entertainment
40301030	Publishing	40301035	Radio & TV Broadcasters
40401010	Diversified Retailers	40401020	Apparel Retailers
40401025	Home Improvement Retailers	40401030	Specialty Retailers
40501010	Airlines	40501015	Travel & Tourism
40501020	Casinos & Gambling	40501025	Hotels & Motels
45101015	Distillers & Vintners	45101020	Soft Drinks
45102010	Farming Fishing Ranching & Plantations	45102020	Food Products
45103010	Tobacco	45201010	Food Retailers & Wholesalers
45201020	Personal Products	50101010	Construction
50101030	Cement	50101035	Building Materials: Other
50202010	Electrical Components	50203000	Diversified Industrials
50203015	Plastics	50203030	Containers & Packaging
50204000	Machinery: Industrial	50204020	Machinery: Construction & Handling
50205010	Industrial Suppliers	50205020	Back Office Support HR & Consulting
50205030	Forms & Bulk Printing Services	50206015	Commercial Vehicles & Parts
50206030	Marine Transportation	50206060	Transportation Services
55101000	Diversified Materials	55101020	Textile Products
55102000	General Mining	55102010	Iron & Steel
55102015	Metal Fabricating	55102035	Aluminum
60101000	Integrated Oil & Gas	60101020	Oil Refining and Marketing
65101010	Alternative Electricity	65101015	Conventional Electricity
65102030	Water		



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