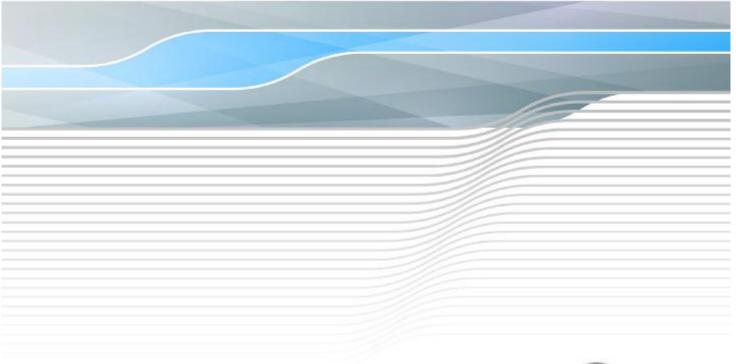
# Hellenic Exchanges – Athens Stock Exchange S.A.

# Ημερήσιο Δελτίο Συναλλακτικής Δραστηριότητας Daily Official List of Trading Activity

Thursday, 28 November, 2019 Year: 140 Trading Day No: 227





Daily Official List

Year: 140 Trading Day No: 227
Thursday, 28 November, 2019

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Hellenic Exchanges – Athens Stock Exchange S.A.

Market Operation & Development Division - Statistics & Information Services

Daily Official List

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385.773

11.370

370,737

2,476

1.190

16,217

40.948

1,862

216

2,854

109,153

-9,384

6.061

6.061

6.061

0

0

168

910

900

0.92%

0.01%

2.78%

0.00%

1.05%

-26.89%

13.12%

5.24%

-7.92%

#### Summary of Markets

160,000

140.000

Daily change: %

YtD Avg Trans. Value: thou. € | % chng prev year Avg

Blocks Transactions Value of Method 6-1 (thou. €)

Bonds Transactions Value (thou.€)

Daily change: thou. pieces | %

Daily change: number | %

Number of Blocks Method 6-1

**Number of Bonds Transactions** 

Number of Blocks Method 6-2 & 6-3

Blocks Transactions Value of Method 6-2 & 6-3 (thou. €)

Securities' Trades Number with Block Trades Method 6-1

YtD Avg Trades number % chng prev year Avg

# Athex Composite Share Price Index vs Shares and Derivatives Transactions Value

in Index Options | % daily chng

in Stock Options | % daily chnq

**Derivatives Contracts Volume:** 

**Derivatives Trades Number:** 

Daily change: number | %

YtD Avg Derivatives Contracts % chng prev year Avg

YtD Avg Trades number % chng prev year Avg

Daily change: pieces | %



Securities' Transactions Value with Block Trades Method 6-1 (thou.  $\ensuremath{\varepsilon}$ ) Athex Composite Share Price Index | % daily chng Athex Capitalisation (mill. €) \*\*: 60,388.13 **Derivatives Total Open Interest** Daily change: mill. € | % 320.77 0.53% in Index Futures | % daily chng 4.01% in Stock Futures | % daily chnq

Yearly Avg Capitalisation: mill. € | % chng prev year Avg 54,220.50 Athex Composite Share Price Index | % daily chng 899.75 0.53% Athex Composite Share Price Index Capitalisation (mill. €) 55,342.70 314.03 Daily change (mill. €) Securities' Transactions Value with Block Trades Method 6-1 (

58,371.72 -14.83% -10,163.60 65,957.14 20.09%

1.857.70 0.00

1,291.91

Securities' Transactions Volume with Block Trades Method 6-1 (th 20,478.51 -5,945.13 -22.50%

YtD Avg Volume: % chng prev year Avg 32,725.70 -11.91% 590.00 Blocks Transactions Volume of Method 6-1 (thou. Pieces) Blocks Transactions Volume of Method 6-2 & 6-3 (thou. Pieces 0.00 1,260,000 **Bonds Transactions Volume** 

Lending Total Open Interest Daily change: pieces | % Lending Volume (Multilateral/Bilateral)

Daily change: pieces | % Multilateral Lending

Bilateral Lending

-9.28% 34.53%

Lending Trades Number: Daily change: %

Multilateral Lending Trades Number Bilateral Lending Trades Number

28 28 28

Athex Capitalisation (mill. €) \*\*

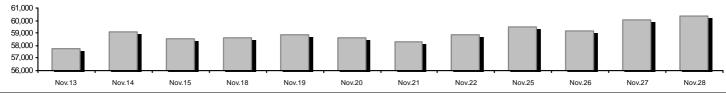
22,483

-2,300

27,350

3

0 79



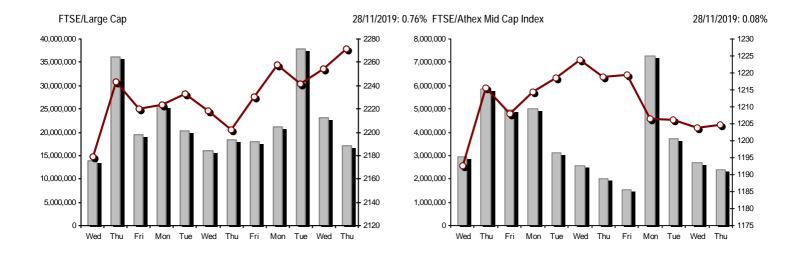


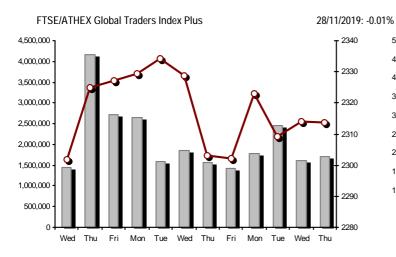
Athex Indices									
Index name	28/11/2019	27/11/2019	pts.	%	Min	Max	Year min	Year max	Year change
Athex Composite Share Price Index	899.75 #	895.03	4.72	0.53%	890.01	899.96	600.12	901.57	46.71% #
FTSE/Athex Large Cap	2,271.78 #	2,254.67	17.11	0.76%	2,242.45	2,271.89	1,580.73	2,271.89	41.24% #
FTSE/Athex Mid Cap Index	1,204.84 #	1,203.82	1.02	0.08%	1,196.62	1,206.97	945.49	1,467.88	23.56% #
FTSE/ATHEX-CSE Banking Index	684.96 #	672.94	12.02	1.79%	657.84	685.36	275.15	699.47	105.85% #
FTSE/ATHEX Global Traders Index Plus	2,313.80 Œ	2,313.95	-0.15	-0.01%	2,308.82	2,319.69	1,947.04	2,479.89	16.01% #
FTSE/ATHEX Global Traders Index	2,446.00 #	2,445.27	0.73	0.03%	2,434.25	2,450.93	1,866.67	2,517.12	28.91% #
FTSE/ATHEX Mid & Small Cap Factor-Weighted Ind	2,903.04 #	2,899.92	3.12	0.11%	2,888.66	2,911.72	2,173.67	2,953.89	31.05% #
ATHEX Mid & SmallCap Price Index	5,806.22 #	5,804.38	1.84	0.03%	5,774.56	5,815.58	3,914.71	5,994.42	46.54% #
FTSE/Athex Market Index	562.58 #	558.42	4.16	0.74%	555.41	562.61	392.32	563.60	40.94% #
FTSE Med Index	5,008.54 #	5,008.23	0.31	0.01%			3,966.78	5,008.54	26.32% #
Athex Composite Index Total Return Index	1,466.78 #	1,459.10	7.68	0.53%	1,450.92	1,467.13	952.47	1,467.13	50.69% #
FTSE/Athex Large Cap Total Return	3,357.72 #	3,332.43	25.29	0.76%			2,321.35	3,357.72	43.49% #
FTSE/ATHEX Large Cap Net Total Return	1,030.57 #	1,022.80	7.77	0.76%	1,017.26	1,030.62	692.89	1,030.62	46.18% #
FTSE/Athex Mid Cap Total Return	1,468.71 #	1,467.47	1.24	0.08%			1,180.35	1,784.30	22.04% #
FTSE/ATHEX-CSE Banking Total Return Index	598.69 #	588.19	10.50	1.79%			265.40	605.55	90.99% #
Hellenic Mid & Small Cap Index	1,203.96 Œ	1,204.13	-0.17	-0.01%	1,199.07	1,207.34	884.70	1,269.98	32.79% #
FTSE/Athex Banks	905.00 #	889.12	15.88	1.79%	869.16	905.53	363.54	924.17	105.85% #
FTSE/Athex Financial Services	989.63 Œ	997.45	-7.82	-0.78%	983.61	997.45	744.92	1,191.69	26.83% #
FTSE/Athex Industrial Goods & Services	2,585.47 Œ	2,586.95	-1.48	-0.06%	2,577.53	2,598.01	1,884.26	2,967.88	35.40% #
FTSE/Athex Retail	72.85 #	72.34	0.51	0.71%	72.34	72.85	58.44	82.89	21.60% #
FTSE/ATHEX Real Estate	4,828.78 Œ	4,879.42	-50.64	-1.04%	4,827.67	4,951.33	2,928.70	6,158.58	59.89% #
FTSE/Athex Personal & Household Goods	9,682.06 Œ	9,753.03	-70.97	-0.73%	9,672.10	9,771.40	6,649.54	9,943.56	40.76% #
FTSE/Athex Food & Beverage	11,270.76 Œ	11,299.62	-28.86	-0.26%	11,240.47	11,417.62	10,000.70	13,120.06	11.47% #
FTSE/Athex Basic Resources	6,668.84 Œ	6,777.36	-108.52	-1.60%	6,602.94	6,893.72	3,146.82	11,171.70	103.27% #
FTSE/Athex Construction & Materials	2,976.36 #	2,972.62	3.74	0.13%	2,938.51	2,976.36	2,437.75	3,183.37	15.26% #
FTSE/Athex Oil & Gas	5,151.60 #	5,138.46	13.14	0.26%	5,111.36	5,155.23	4,612.01	5,758.60	6.00% #
FTSE/Athex Chemicals	8,962.21 #	8,906.58	55.63	0.62%	8,886.25	8,962.21	7,722.79	11,217.47	9.62% #
FTSE/Athex Travel & Leisure	1,850.20 #	1,769.63	80.57	4.55%	1,769.63	1,850.20	1,309.57	1,850.20	39.84% #
FTSE/Athex Technology	885.82 Œ	895.33	-9.51	-1.06%	882.47	899.35	692.80	1,087.14	24.90% #
FTSE/Athex Telecommunications	3,779.28 Œ	3,790.29	-11.01	-0.29%	3,749.00	3,790.29	2,614.94	3,845.34	44.22% #
FTSE/Athex Utilities	2,870.99 #	2,840.56	30.43	1.07%	2,831.21	2,870.99	1,729.19	2,923.15	63.22% #
FTSE/Athex Health Care	489.02 ¬	489.02	0.00	0.00%	485.58	491.08	460.82	512.40	-3.40% Œ
Athex All Share Index	212.68 #	211.53	1.15	0.54%	212.68	212.68	157.01	215.26	34.59% #
Hellenic Corporate Bond Index	121.11 #	121.05	0.05	0.04%			116.31	121.33	4.10% #
Hellenic Corporate Bond Price Index	96.66 #	96.62	0.04	0.04%			95.04	97.19	0.91% #

Note 1: FTSE/Med 100, Hellenic Corporate Bond Price Index and Hellenic Corporate Bond Index closing prices refer to the previous trading day of 26/11/2019.

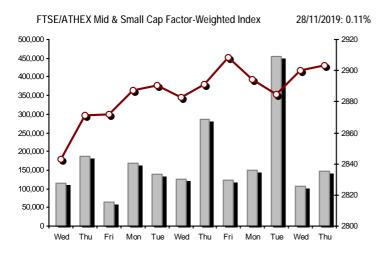
Note 2: The Hellenic Mid & Small Cap Index is a Customized index calculated by the Athens Exchange.

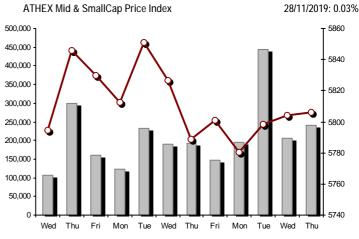
#### Athex Indices











Indices volume of transactions

Indices closing prices

# Analytic Figures for Athex Market's Boards and Categories

	Total Traded Securities	Main Market	Surveillance	Exchange Traded Funds (ETFs)	
Totals	124	109	15	0	
Gain / Lose / Same:	47 / 55 / 22	46 / 50 / 13	1/5/9	0/0/0	
Athex Capitalisation (mill. €) **	60,388.13	60,094.04	294.09		
Daily Average Trans/ons Value(thou.€)	65,957.14	65,931.02	52.25	44.42	
Transactions Value	58,371.72	58,334.66	37.06	0.00	
Main Board:	56,514.02	56,476.96	37.06	0.00	
Blocks Board 6_2_3:	1,857.70	1,857.70	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	32,725,705	32,380,966	373,124	2,022	
Transactions Volume	20,478,514	20,221,238	257,276	0	
Main Board:	19,888,514	19,631,238	257,276	0	
Blocks Board 6_2_3:	590,000	590,000	0	0	
Forced Sales Board:	0	0	0	0	
Special Terms Board:	0	0	0	0	
Daily Average Number of Trades	27,350	27,200	148	3	
Number of Trades	22,483	22,324	159	0	
Main Board:	22,480	22,321	159	0	
Blocks Board 6_2_3:	3	3	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	4/1/1	8,578	13,806,099	24,910,171.25	42.68%
5510	-	Basic Resources	3/7/5	481	188,800	208,654.36	0.36%
5010	-	Construction & Materials	5 / 4 / 3	1,039	745,979	1,384,922.04	2.37%
4020	-	Consumer Products & Services	6/2/1	956	228,885	1,911,785.22	3.28%
6010	-	Energy	1/2/1	770	115,742	1,911,869.79	3.28%
12000	-	Financial Instruments	0/0/0				
3020	-	Financial Services	2/2/0	482	1,404,532	405,351.13	0.69%
4510	-	Food Beverage & Tobacco	5/3/2	463	199,991	1,668,010.19	2.86%
2010	-	Health Care	0/1/2	81	125,121	63,820.83	0.11%
5020	-	Industrial Goods & Service	5/11/2	1,374	476,926	2,564,494.59	4.39%
3030	-	Insurance	1/0/0	110	13,070	62,875.75	0.11%
4030	-	Media	0/0/0				
4520	-	Personal Care, Drug & Grocery Stores	0/3/0	108	33,299	221,070.85	0.38%
3510	-	Real Estate	1/6/2	651	264,733	1,407,304.18	2.41%
4040	-	Retail	4/0/2	254	141,471	468,206.59	0.80%
1010	-	Technology	3 / 4 / 1	920	204,081	336,859.00	0.58%
1510	-	Telecommunications	1 / 4 / 0	1,080	337,350	3,994,192.84	6.84%
4050	-	Travel & Leisure	4/2/0	4,016	1,658,953	15,155,575.84	25.96%
6510	-	Utilities	2/3/0	1,065	496,762	1,695,678.60	2.91%

# Top 10 best & worst performing Shares

		Main	Market		
With positive Price change	Closing price	change	With negative Price change	Closing price	change
MATHIOS REFRACTORY SA (CR)	0.5	11.11% #	MLS MULTIMEDIA SA (CR)	1.305	-11.52% <b>Œ</b>
ATTICA HOLDINGS (CR)	1.39	6.11% #	BRIQ PROPERTIES (CR)	2.1	-2.78% <b>Œ</b>
OPAP (CR)	10.96	5.38% #	TRASTOR REAL EST. INV. CO.(CR)	1	-1.96% Œ
EVROFARMA SA (CR)	1.085	4.33% #	REDS S.A. (CR)	1.16	-1.70% Œ
DROMEAS SA (CR)	0.398	4.19% #	AVAX S.A. (CR)	0.676	-1.60% Œ
TERNA ENERGY (CR)	7.39	2.78% #	KEKROPS SA (CR)	2.645	-1.49% <b>Œ</b>
NATIONAL BANK (CR)	3.126	2.26% #	INTRALOT (CR)	0.3885	-1.40% Œ
EUROBANK ERGASIAS (CR)	0.961	2.23% #	ELVALHALCOR (CR)	1.75	-1.35% Œ
MOTODYNAMICS S.A. (CR)	1.41	2.17% #	HELLENIC EXCHANGES-A.S.E. (CR)	4.57	-1.30% Œ
IKTINOS HELLAS SA (CR)	1.042	2.16% #	ALUMIL (CR)	1.155	-1.28% Œ
With the highest Transactions Value	Value (thou. €)	change	With the highest Transactions Volume	Volume	change
OPAP (CR)	14,254.75	5.38% #	EUROBANK ERGASIAS (CR)	5,851,520	2.23% #
NATIONAL BANK (CR)	11,182.53	2.26% #	ALPHA BANK (CR)	3,824,926	1.82% #
ALPHA BANK (CR)	7,082.66	1.82% #	NATIONAL BANK (CR)	3,644,296	2.26% #
EUROBANK ERGASIAS (CR)	5,489.95	2.23% #	MARFIN INVESTMENT GROUP (CR)	1,343,020	1.54% #
OTE (CR)	3,956.26	-0.29% 0	E OPAP (CR)	1,324,568	5.38% #
JUMBO SA (CR)	1,673.81	-0.91% 0	PPC (CR)	375,922	1.65% #
MYTILINEOS (CR)	1,604.26	0.36% #	PIRAEUS BANK (CR)	344,889	-0.38% Œ
CC HBC AG (CR)	1,580.03	-0.26% 0	E ELLAKTOR (CR)	343,333	0.35% #
MOTOR OIL (CR)	1,544.73	0.47% #	OTE (CR)	288,906	-0.29% Œ
LAMDA DEVELOPMENT SA (CR)	1,311.74	-0.97% (	E IKTINOS HELLAS SA (CR)	266,725	2.16% #

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

	Number of Trades	Volume	Open Interest
Index Futures	177	972	11,370
FTSE/Athex Large Cap	177	972	11,370
Stock Futures	1,658	14,855	370,737
ADMIE (IPTO) HOLDING S.A. (CR)	1	10	7,583
ALPHA BANK (CR)	179	1,738	61,866
ATTICA BANK S.A. (CR)	1	4	7,475
CC HBC AG (CR)	46	107	437
CENERGY HOLDINGS (CB)	0	0	7,709
ELLAKTOR (CR)	57	647	21,255
EUROBANK ERGASIAS (CR)	116	2,136	38,969
EYDAP S.A. (CR)	1	1	440
FOURLIS (CR)	0	0	203
GEK TERNA (CR)	2	13	10,642
HELLENIC EXCHANGES-A.S.E. (CR)	19	64	2,667
HELLENIC PETROLEUM (CR)	0	0	2,103
INTRACOM HOLDINGS (CR)	2	10	3,810
INTRALOT (CR)	12	72	6,358
JUMBO SA (CR)	131	439	579
LAMDA DEVELOPMENT SA (CR)	67	262	1,484
MARFIN INVESTMENT GROUP (CR)	48	1,891	79,348
MOTOR OIL (CR)	9	19	603
MYTILINEOS (CR)	90	332	13,453
NATIONAL BANK (CR)	308	3,449	37,017
OPAP (CR)	319	1,549	7,016
OTE (CR)	28	57	2,153
P.P.A. S.A. (CR)	0	0	729
PIRAEUS BANK (CR)	152	1,668	29,566
PPC (CR)	46	260	15,852
TERNA ENERGY (CR)	4	22	4,893
TITAN CEMENT (CB)	0	0	69
VIOHALCO SA/NV (CB)	20	105	6,458
Index Options	25	384	2,476
FTSE/Athex Large Cap	25	384	2,476
Stock Options	2	6	1,190
ALPHA BANK (CR)	0	0	40
NATIONAL BANK (CR)	0	0	636
OPAP (CR)	2	6	19
OTE (CR)	0	0	245
PIRAEUS BANK (CR)	0	0	126
PPC (CR)	0	0	124
Total Derivatives Traded	1,862	16,217	385,773

Number of Outstanding Securities Nominal Value	Divider 2016 20		Date of Las 018 Dividend [2]	· No	ote Shares	Closing price	% change	Previous closing price/date	Open price	Price Price min max	Last Av price pri	ارج)	Last Ask [7]	P/E after	Year	Volume	Trades	Transactions Value[8]	Company M Value (thou.			
Main Market - I	High Lic	quidit	ty Class																			
1,543,699,381 0.300			07/04/2008	18/04/2017	ALPHA BANK (CR)	1.899	1.82 #	1.865 27/11/2019	1.865	1.82 1.	9 1.899	1.852 1000@1.90	9798@1.90			3,824,926	2,170	7,082,661.	15 2,931,485.12	0.841	1.983	30101010
461,254,013 0.300			04/06/2008	30/04/2018	ATTICA BANK S.A. (CR)	0.434	1.64 #	0.427 27/11/2019	0.43	0.417 0.434	5 0.434	0.424 529@0.432	1360@0.434			138,605	158	58,751.	26 200,184.24	0.0992	0.62	30101010
190,162,681				07/12/2016	CENERGY HOLDINGS (CB)	1.304	-1.06 <b>Q</b>	1.318 27/11/2019	1.308	1.3 1.31	4 1.304	1.306 1032@1.30	100@1.31			54,124	102	70,665.	17 247,972.14	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)	30.2	-0.26 <b>(</b>	30.28 27/11/2019	30.4	30.12 30.	6 30.2	30.386 923@30.18	530@30.25			51,998	299	1,580,033.	5111,152,422.89	26.81	35.2	45101020
51,807,314 0.810			21/06/2010	23/07/2019	FOURLIS (CR)	5.4	0.93 #	5.35 27/11/2019	5.39	5.35 5.	4 5.4	5.381 200@5.37	500@5.46			65,876	129	354,457.	11 279,759.50	3.775	5.86	40401010
76,000,000 1.00			03/07/2007	17/09/2018	INTRACOM HOLDINGS (CR)	0.86	-0.92 <b>(</b>	0.868 27/11/2019	0.86	0.859 0.86	9 0.86	0.863 100@0.858	200@0.866			36,067	65	31,121.	66 65,360.00	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)	18.52	-0.91 <b>g</b>	18.69 27/11/2019	18.69	18.5 18.	7 18.52	18.581 302@18.51	19@18.54			90,081	660	1,673,811.	32 2,519,826.74	12.22	18.88	40203045
176,736,715 0.300			30/05/2007	27/11/2019 5	219 LAMDA DEVELOPMENT SA (CF	7.18	-0.97 <b>d</b>	7.25 27/11/2019	7.33	7.18 7.	4 7.18	7.279 6100@7.17	7636@7.20			180,201	462	1,311,742.	38 1,268,969.61	5.2909	9.5086	35101010
939,510,748 0.300			26/04/2007	29/08/2014	MARFIN INVESTMENT GROUP	(CR) 0.0926	1.54 #	0.091 27/11/2019	0.0913	0.09 0.092	6 0.0926	0.091 5006@0.091	13000@0.093			1,343,020	223	122,278.	76 86,998.70	0.067	0.1592	30202000
82,447,868				23/07/2019	TITAN CEMENT (CB)	18.58	¬	18.58 27/11/2019	18.4	18.24 18.	6 18.58	18.454 5@18.38	2472@18.58			14,653	137	270,407.	30 1,531,881.39	17.86	20	50101030
259,189,761				26/02/2016	VIOHALCO SA/NV (CB)	3.635	-1.09 <b>(</b>	3.675 27/11/2019	3.64	3.61 3.6	7 3.635	3.629 1000@3.62	250@3.64			113,349	239	411,399.	06 942,154.78	2.45	4.495	50203000
232,000,000 2.12		0.	.0601 02/08/2019	19/06/2017	ADMIE (IPTO) HOLDING S.A. (C	R) 2.175	-0.23 <b>d</b>	2.18 27/11/2019	2.185	2.15 2.18	5 2.175	2.159 2083@2.17	1663@2.18	11.94	2018	71,578	191	154,554.	9 504,600.00	1.46	2.29	65101015
71,417,100 0.650	0.4	0.55	0.6 03/06/2019	27/06/2014	AEGEAN AIRLINES (CR)	8.3	1.47 #	8.18 27/11/2019	8.16	8.15 8.3	1 8.3	8.281 100@8.28	500@8.32			97,310	437	805,849.	21 592,761.93	6.97	8.73	40501010
103,423,291 0.570			01/08/2011	19/04/2016	GEK TERNA (CR)	7.08	0.14 #	7.07 27/11/2019	7.03	7.01 7.0	9 7.08	7.054 1000@7.07	2106@7.08			25,461	101	179,599.	20 732,236.90	4.08	7.09	50101010
232,000,000 2.48			20/07/2015	12/12/2001	PPC (CR)	3.202	1.65 #	3.15 27/11/2019	3.158	3.14 3.20	2 3.202	3.179 5446@3.19	1000@3.21			375,922	595	1,194,958.	77 742,864.00	1.201	3.26	6510101
914,715,153 3.00			16/05/2008	29/08/2018	NATIONAL BANK (CR)	3.126	2.26 #	3.057 27/11/2019	3.05	2.984 3.13	6 3.126	3.069 14000@3.11	21731@3.12			3,644,296	3,384	11,182,526.	12 2,859,399.57	0.9	3.15	30101010
214,272,003 1.03			05/07/2011	22/07/2019	ELLAKTOR (CR)	1.7	0.35 #	1.694 27/11/2019	1.69	1.682 1.71	B 1.7	1.697 3601@1.69	1068@1.71			343,333	419	582,708.	26 364,262.41	1.1784	2.3	50101010
60,348,000 0.580	0.065 0.0	502	0.05 05/06/2019	05/08/2019	HELLENIC EXCHANGES-A.S.E.	(CR) 4.57	-1.30 <b>d</b>	4.63 27/11/2019	4.63	4.555 4.6	3 4.57	4.575 3200@4.56	300@4.61			61,211	253	280,037.	57 275,790.36	3.52	5.23	30202015
305,635,185 2.18		0.4	0.75 01/07/2019	01/10/2003	HELLENIC PETROLEUM (CR)	8.58	-0.23 <b>d</b>	8.6 27/11/2019	8.6	8.56 8.6	6 8.58	8.597 310@8.57	100@8.61			42,646	174	366,634.	06 2,622,349.89	7.23	9.6	60101000
114,320,400 0.100	(0.01	75) ##	#### 08/07/2019	05/08/2019	IKTINOS HELLAS SA (CR)	1.042	2.16 #	1.02 27/11/2019	1.03	1.02 1.04	2 1.042	1.028 13000@1.03	383@1.04			266,725	233	274,088.	39 119,121.86	0.881 1	1.3975	5010103
156,961,721 0.300			30/05/2013	14/11/2007	INTRALOT (CR)	0.3885	-1.40 <b>(</b>	0.394 27/11/2019	0.392	0.3885 0.396	5 0.3885	0.392 6005@0.388	2923@0.395			163,993	189	64,279.	98 60,979.63	0.3	0.581	40501020
19,804,134 0.300			01/07/2004	06/11/2017	KEKROPS SA (CR)	2.645	-1.49 <b>(</b>	2.685 27/11/2019	2.66	2.55 2.6	6 2.645	2.621 250@2.62	1115@2.65		2018	8,934	63	23,418.	22 52,381.93	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)	21.44	0.47 #	21.34 27/11/2019	21.36	21.2 21.4	4 21.44	21.295 147@21.34	2893@21.44			72,538	590	1,544,726.	06 2,375,187.09	19.12	24.4	60101020
142,891,161 0.970	(	0.32	0.36 26/06/2019	07/07/2017	MYTILINEOS (CR)	9.84	0.36 #	9.805 27/11/2019	9.865	9.8 9.88	5 9.84	9.836 1555@9.84	20@9.87			163,096	726	1,604,257.	77 1,406,049.02	7.19	11.43	50203000
25,000,000 2.00	0.0892 0.1	712 (	0.424 22/07/2019	08/08/2003	P.P.A. S.A. (CR)	22.8	-0.87 <b>q</b>	23 27/11/2019	22.75	22.75 22.	9 22.8	22.845 1593@22.80	100@22.95	20.44	2018	6,467	75	147,737.	35 570,000.00	14.42	25.25	50206060
321,623,443 0.300	0.72	0.4	0.7 26/06/2019	25/04/2001	OPAP (CR)	10.96	5.38 #	10.4 27/11/2019	10.57	10.52 10.9	6 10.96	10.762 3672@10.93	17452@10.96			1,324,568	3,324	14,254,751.	20 3,524,992.94	7.5241	10.96	40501020
479,939,319 2.83	0.16 0.3	529 0.	.5245 22/07/2019	18/06/1998	OTE (CR)	13.73	-0.29 <b>(</b>	13.77 27/11/2019	13.72	13.62 13.7	7 13.73	13.694 3103@13.72	71@13.76			288,906	989	3,956,257.	50 6,589,566.85	9.5	13.99	1510201
436,659,164 6.00			16/05/2008	31/07/2017	PIRAEUS BANK (CR)	3.12	-0.38 <b>Q</b>	3.132 27/11/2019	3.132	3.076 3.13	2 3.12	3.101 13244@3.12	13319@3.13			344,889	557	1,069,544.	51 1,362,376.59	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)	8.17	-1.21 <b>(</b>	8.27 27/11/2019	8.39	8.16 8.3	9 8.17	8.263 205@8.16	320@8.24			25,511	70	210,800.	10 570,899.04	6.72	9.19	45201020
113,918,936 0.300	0.0939 0.0	419	10/01/2018	07/01/2019	TERNA ENERGY (CR)	7.39	2.78 #	7.19 27/11/2019	7.3	7.16 7.3	9 7.39	7.237 4000@7.35	160@7.39			28,715	166	207,823.	13 841,860.94	5.3	7.87	65101010
3,709,161,852 0.230			02/05/2008	20/05/2019	EUROBANK ERGASIAS (CR)	0.961	2.23 #	0.94 27/11/2019	0.94	0.916 0.96	4 0.961	0.938 5000@0.954	20989@0.962			5,851,520	2,262	5,489,953.	13 3,564,504.54	0.4664 (	0.9925	30101010
Main Market - I	Medium	Liqu	idity Class	S																		
13,126,020 0.490			08/07/2010	06/09/2019	AS COMPANY SA (CR)	2.9	0.69 #	2.88 27/11/2019	2.88	2.88 2.	9 2.9	2.881 15@2.88	260@2.90			676	6	1,947.	38,065.46	2.38	3.3	40401030
102,847,472 0.300			01/07/2008	01/03/2010	AUDIO VISUAL ENTERPRISES	(CR) 0.25	¬	0.25 27/11/2019				1000@0.206	3300@0.238						25,711.87	0.171	0.4	4030101
48,855,000 0.080 (	(0.2125) (0.2	275) ##	#### 20/05/2019	25/06/2019	AUTOHELLAS SA (CR)	7.18	0.28 #	7.16 27/11/2019	7.08	7.06 7.	2 7.18	7.118 1500@7.16	1370@7.20			25,485	162	181,398.	350,778.90	5.25	7.32	40201040
35,764,593 2.10	0.	035 (	0.055 22/03/2019	25/11/2019	BRIQ PROPERTIES (CR)	2.1	-2.78 <b>(</b>	2.16 27/11/2019	2.16	2.1 2.1	6 2.14	2.123 1002@2.12	632@2.14	9.07	2018	12,417	40	26,357.	08 75,105.65	1.8783 2	2.4533	35102030
15,816,009 0.300			01/07/2009	17/07/2000	BYTE COMPUTER SA (CR)	1.1	1.85 #	1.08 27/11/2019	1.07	1.07 1.	1 1.1	1.084 1340@1.08	1600@1.12			9,600	17	10,411.	00 17,397.61	0.49	1.41	10101010

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

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Number of Outstanding Securities Nominal Value		idends [1 2017	Date of Last Coupon 2018 Dividend [2] Right	Note	Shares	Closing price	% change	Previous closin price/date	g Open price	Price Price Last A		Last Ask [7]	P/E after	Year	Volume	Trades T		Company Mk Value (thou. €			
101,123,806 0.360			22/07/2010 28/06/2011		CENTRIC HOLDINGS (CR)	0.244	2.09 #	0.239 27/11/20	19 0.239	0.239 0.244 0.244	0.24 31850@0.239	4950@0.244			23,350	6	5,601.40	24,674.21	0.118	0.263	40203040
784,500 10.00			0.13 10/10/2019 31/07/2018		CNL CAPITAL (CR)	10	-0.99 Œ	10.1 27/11/20	19 10	10 10.1 10.1	10.033 130@9.95	447@10.10	-(6)-	2018	300	5	3,009.80	7,845.00	9.35	10.5	30202000
52,800,154 0.300			20/08/2014 21/06/2004		F.G. EUROPE S.A. (CR)	0.448	29.48 #	0.346 27/11/20	19 0.448	0.448 0.448 0.448	0.448 10000@0.326				800	4	358.40	23,654.47	0.342	0.62	40202020
20,578,374 0.620	0.07	0.1	08/06/2018 18/05/2015		INFORM P. LYKOS SA (CR)	1.51	-2.26 Œ	1.545 27/11/20	19 1.535	1.505 1.54 1.51	1.514 500@1.51	5@1.53			5,030	32	7,613.35	31,073.34	0.744	1.795	50205030
10,500,000 4.00	0.28	0.31	0.36 07/05/2019 02/08/2016		INTERCONTINENTAL (CR)	6.7	-0.74 Œ	6.75 27/11/20	19 6.8	6.65 6.8 6.7	6.706 135@6.75	264@6.80			133	5	891.90	70,350.00	5.5	6.95	35102000
30,477,156 0.300			12/08/2008 17/10/2017		INTRACOM CONSTR. (CR)	1.77	-0.84 Œ	1.785 27/11/20	19 1.78	1.74 1.78 1.77	1.76 40@1.76	1980@1.78			3,937	23	6,928.04	53,944.57	0.92	2.18	50101010
468,700	0.73	0.73	4.869 25/04/2019 21/05/2004		MERMEREN KOMB. A.D. PR. (GDR)	53.8	0.75 #	53.4 27/11/20	<b>19</b> 54	51.8 54 51.8	53.841 31@51.80	26@53.60	1.10	2018	39	4	2,099.80	25,216.06	44	76.8	55102000
10,500,000 0.950			24/06/2008 30/06/2017		MEVACO SA (CR)	1.77	-1.12 <b>Œ</b>	1.79 27/11/20	19 1.74	1.74 1.79 1.77	1.773 500@1.75	400@1.78		2018	2,118	12	3,754.34	18,585.00	0.91	1.82	55102015
12,417,000 0.310			0.0205 27/08/2019 28/08/2017		MLS MULTIMEDIA SA (CR)	1.305	-11.52 Œ	1.475 27/11/20	19 1.47	1.26 1.475 1.305	1.337 1446@1.30	500@1.32	10.12	2018	148,753	701	198,889.73	16,204.19	0.75	5.32	10101015
3,953,090 0.300	0.2	0.16	0.15 06/06/2019 05/12/2012		PAPERPACK (CR)	5	¬	5 27/11/20	19		500@4.60	20@5.10	25.97	2018				19,765.45	2.8	5.8	50203030
11,812,193 0.470			29/05/2018 10/07/2019		PROFILE SA (CR)	3.56	-1.11 Œ	3.6 27/11/20	19 3.67	3.56 3.67 3.56	3.614 1540@3.56	450@3.61			5,980	34	21,610.20	42,051.41	1.21	4.25	10101010
27,345,120 0.470			18/07/2005 26/02/2014		QUALITY & RELIABILITY SA (CR)	0.1845	7	0.185 27/11/20	19 0.185	0.18 0.1855 0.1845	0.184 3500@0.181	1668@0.184			1,153	13	211.97	5,045.17	0.161	0.271	10101010
35,740,896 0.040			05/09/2008 25/11/2019		QUEST HOLDINGS (CR)	7.52	-0.26 Œ	7.54 27/11/20	19 7.54	7.42 7.6 7.52	7.503 1500@7.48	197@7.54			12,804	87	96,074.38	268,771.54	4.2667	7.6	10101010
57,434,884 1.31			05/06/2008 12/06/2009		REDS S.A. (CR)	1.16	-1.70 <b>Œ</b>	1.18 27/11/20	19 1.175	1.15 1.18 1.16	1.166 1000@1.16	5150@1.16			12,819	26	14,951.30	66,624.47	0.8	1.3	35101010
6,456,530 1.08			04/07/2019 02/08/2010		SPACE HELLAS SA (CR)	4.64	-0.22 Œ	4.65 27/11/20	19 4.53	4.52 4.64 4.64	4.546 100@4.53	888@4.64			335	9	1,522.90	29,958.30	4.34	5.55	15101010
15,627,315 0.300			16/11/1992 24/07/2019		UNIBIOS (CR)	0.392	1.03 #	0.388 27/11/20	19 0.39	0.385 0.397 0.392	0.391 150@0.386	2363@0.392			10,413	24	4,073.28	6,125.91	0.2334	0.47	50204000
77,654,850 0.300			01/07/2011 21/02/2003		AVAX S.A. (CR)	0.676	-1.60 Œ	0.687 27/11/20	19 0.68	0.674 0.687 0.676	0.684 286@0.676	2850@0.680			64,200	44	43,905.33	52,494.68	0.286	0.879	50101010
22,016,250 0.370			15/07/2009 11/05/2000		ALUMIL (CR)	1.155	-1.28 <b>Œ</b>	1.17 27/11/20	19 1.185	1.135 1.185 1.155	1.145 333@1.14	999@1.14			12,666	45	14,503.99	25,428.77	0.181	2.17	55102035
401,136 15.25		0.75	05/04/2018 12/09/2019		ANDROMEDA SA (CR)	25	0.81 #	24.8 27/11/20	19 25	25 25 25	25 49@25.00	1@25.20		2018	1	1	25.00	10,028.40	20.4	26.8	30202010
18,810,000 0.400			08/07/2010 14/11/2007		VARVERIS - MODA BAGNO SA (CR)	0.68	0.74 #	0.675 27/11/20	19 0.64	0.64 0.68 0.68	0.654 1000@0.665	3719@0.680			14,430	23	9,432.02	12,790.80	0.262	0.745	40401025
6,325,000 0.600	0.11	0.15	0.103 04/07/2019 17/02/2014		VOGIATZOGLOU SYSTEMS SA (CR)	2.12	-7.83 Œ	2.3 27/11/20	19 2.1	2.1 2.28 2.28	2.126 500@2.14	1265@2.28			469	3	997.32	13,409.00	1.61	2.44	50205010
24,060,000 0.300	0.01	0.01	0.015 01/07/2019 01/07/2019		GEN. COMMERCIAL & IND.SA (CR)	0.765	-0.65 Œ	0.77 27/11/20	19 0.7	0.755 0.77 0.765	0.764 1360@0.755	3550@0.770	19.10	2018	470	3	358.90	18,405.90	0.585	0.9	50205010
34,720,000 0.310			16/06/2010 01/08/2007		DROMEAS SA (CR)	0.398	4.19 #	0.382 27/11/20	19 0.382	0.37 0.4 0.398	0.388 480@0.377	490@0.397			43,073	48	16,717.21	13,818.56	0.2	0.465	40202015
13,673,200 0.880			18/07/2008 26/07/2001		EVROFARMA SA (CR)	1.085	4.33 #	1.04 27/11/20	19 1.035	1.01 1.085 1.085	1.062 1500@1.04	450@1.07			19,470	61	20,675.62	14,835.42	0.605	1.16	45102020
11,250,000 0.520	0.04		0.04 22/07/2019 09/11/2015		EKTER SA (CR)	1.32	0.76 #	1.31 27/11/20	19 1.305	1.29 1.32 1.32	1.296 100@1.30	949@1.32			16,812	36	21,794.98	14,850.00	1.18	1.985	50101010
18,410,839 1.00			07/07/2009 10/09/2010		ELASTRON (CR)	1.4	-0.36 Œ	1.405 27/11/20	19 1.4	1.38 1.4 1.4	1.387 21@1.40	1000@1.41	-(6)-	2017	2,752	13	3,816.53	25,775.17	1.105	1.685	55102010
375,241,586 0.390			0.03 28/05/2019 14/07/2006		ELVALHALCOR (CR)	1.75	-1.35 Œ	1.774 27/11/20	19 1.796	1.744 1.796 1.75	1.754 130@1.75	1978@1.75			76,275	160	133,814.82	656,672.78	1.19	2.095	55102015
31,734,530 1.60			09/07/2007 19/07/2006		ELGEKA SA (CR)	0.33	-2.37 <b>Œ</b>	0.338 27/11/20	19 0.33	0.33 0.33 0.33	0.33 200@0.294	400@0.328			2,001	3	660.33	10,472.39	0.113	0.39	45201010
19,864,886 5.60	0.672	0.672	0.672 04/04/2019 02/07/2008		BANK OF GREECE (CR)	14.42	¬	14.42 27/11/20	19 14.4	14.3 14.42 14.42	14.35 21@14.30	470@14.42			1,863	47	26,734.78	286,451.66	12.2	15.2	30101010
26,730,187 0.520		0.04	0.06 09/07/2019 01/08/2017		ELTON SA (CR)	1.71	-0.29 Œ	1.715 27/11/20	19 1.715	1.68 1.715 1.71	1.686 500@1.67	538@1.71	22.03	2017	7,029	34	11,853.90	45,708.62	1.2	1.93	50205010
14,050,971 0.340			13/12/2017 21/02/2018		ELTRAK SA (CR)	3.3	¬	3.3 27/11/20	19 3.3	3.3 3.3 3.3	3.31503152@3.30	1950@3.40			69,857	28	230,528.10	46,368.20	2.12	3.32	50204020
36,300,000 1.12	0.228	0.221	0.126 27/06/2019 12/12/2007		THESSALONIKA WATER & SEWERAG	SE 4.8	-0.41 <b>Œ</b>	4.82 27/11/20	19 4.83	4.8 4.83 4.8	4.813 31@4.80	500@4.83			6,084	35	29,280.53	174,240.00	4.14	5.7	65102030
106,500,000 0.600	0.11	0.2	0.27 28/06/2019 28/01/2000		EYDAP S.A. (CR)	7.5	-0.27 Œ	7.52 27/11/20	19 7.56	7.47 7.6 7.5	7.541 314@7.47	1000@7.50			14,463	78	109,062.08	798,750.00	4.825	8.37	65102030
27,503,677 0.630	0.1	0.12	0.13 29/05/2019 18/10/1999		EUROPEAN RELIANCE INSUR. (CR)	4.87	0.83 #	4.83 27/11/20	19 4.7	4.77 4.87 4.87	4.811 100@4.86	3@4.87			13,070	110	62,875.75	133,942.91	3.4	5.78	30302010
122,156,754 0.440			25/11/2019 28/03/2018		IASO SA (CR)	1.422		1.422 27/11/20	19 1.412	1.412 1.428 1.422	1.421 1000@1.42	1918@1.43			29,500	28	41,930.66	173,706.90	1.18	1.49	20101010
86,735,980 0.310			06/07/2009 02/01/2002		ATHENS MEDICAL CENTER SA (CR)	2.22	-0.45 Œ	2.23 27/11/20	19 2.18	2.16 2.23 2.22	2.185 100@2.19	745@2.22			1,866	17	4,076.72	192,553.88	0.96	2.41	20101025
8,226,132 0.900			15/05/2009 13/10/2014		ILYDA S.A. (CR)	0.362	20.67 #	0.3 27/11/20	19 0.3	0.3 0.362 0.362	0.33 6960@0.350	50@0.364			21,925	54	7,245.60	2,977.86	0.183	0.48	10101015
8,298,467 0.400			30/08/1993 08/05/2013		IDEAL GROUP SA (CR)	0.95	-2.06 Œ	0.97 27/11/20	19 0.96	0.89 0.96 0.95	0.898 111@0.900	30@0.950			1,846	8	1,656.95	7,883.54	0.72	1.22	10102030
2,566,836 0.440			13/08/2010 09/01/2007		INTERWOOD-XYLEMPORIA (PR)	0.35	¬	0.35 27/11/20	19			2622@0.454						6,006.41	0.0725	0.35	50205010

Number of Outstanding Securities Nominal Value		idends [ 2017	-	Coupon Right Note	Shares	Closing price	% change	Previous closing price/date	Open price	Price Price Last min max price		Last Ask [7]	P/E after		Volume	Trades T		Company Mkt Value (thou. €			
8,424,900 0.500			12/07/2010 (	04/07/2019	INTERTECH SA (CR)	0.685	-0.72 <b>Œ</b>	0.69 27/11/2019	0.685	0.68 0.685 0.68	0.685 500@0.6	40 547@0.680		2018	151	2	103.43	5,771.06	0.387	0.875	50205010
14,679,792 1.68	0.07		28/06/2017 (	04/09/2000	KARATZIS SA (CR)	8	2.56 #	7.8 27/11/2019	7.85	7.8 8 8	7.814 150@7.	90 517@8.00			212	5	1,656.55	117,438.34	6	8.45	50203030
40,219,218 0.260			02/07/2018	10/06/2019	KLOUKINAS - LAPPAS SA (CR)	0.798	1.53 #	0.786 27/11/2019	0.798	0.784 0.8 0.798	0.788 111@0.7	86 1183@0.798			5,975	22	4,706.15	32,094.94	0.524	1.08	50101010
11,510,102 0.890			24/06/2005 (	06/10/1999	NAFPAKTOS TEXTILE (CR)	0.705	0.71 #	0.7 27/11/2019	0.695	0.66 0.715 0.705	0.681 11@0.69	90 3000@0.710			8,329	16	5,670.79	8,114.62	0.4	1	55101020
21,224,340 0.420	0.01	0.005	10/09/2018 2	25/04/2006	KORDELLOS BROS SA (CR)	0.39	-3.47 Œ	0.404 27/11/2019	0.388	0.388 0.4 0.39	0.39 4002@0.3	388 495@0.394		2018	7,428	15	2,896.67	8,277.49	0.29	0.69	55102010
33,065,136 0.380	0.09	0.115	0.15 22/08/2019	16/09/2013	KRI-KRI S.A. (CR)	5.4	¬	5.4 27/11/2019	5.4	5.34 5.44 5.4	5.386 1000@5.	30 272@5.40	17.6	4 2018	6,975	22	37,570.24	178,551.73	4.25	5.78	45102020
18,017,472 0.360			15/06/2010 2	28/08/2017	KTIMA KOSTAS LAZARIDIS SA (CR)	1.48	-0.67 <b>Œ</b>	1.49 27/11/2019	1.48	1.48 1.48 1.48	1.48 150@1.3	913@1.48			5	1	7.40	26,665.86	0.75	1.72	45101015
7,595,160 0.600		0.0263	0.0263 10/09/2019	18/08/2010	KIRIAKOULIS SHIPPING SA (CR)	2.14	1.91 #	2.1 27/11/2019	2.1	2.1 2.16 2.14	2.139 500@2.0	746@2.14			1,550	9	3,315.30	16,253.64	0.81	2.58	40501015
5,939,268 0.620			10/07/2003 (	03/01/2002	LANAKAM SA (CR)	0.995	7	0.995 27/11/2019			1500@0.	720 1500@0.960		2018				5,909.57	0.294	1.15	40401020
17,120,280 0.940			01/06/2010 (	02/08/2019	LOULIS MILLS SA (CR)	3.34		3.34 27/11/2019			1365@3.	32 1462@3.54						57,181.74	2.1	3.56	45102020
9,819,370 0.690			14/08/2007 (	09/01/2004	MATHIOS REFRACTORY SA (CR)	0.5	11.11 #	0.45 27/11/2019	0.464	0.42 0.525 0.5	0.476 1000@0.4	192 502@0.500			50,207	129	23,888.76	4,909.69	0.172	0.525	55101000
29,250,000 0.360			02/06/2009 2	25/04/2019	MOTODYNAMICS S.A. (CR)	1.41	2.17 #	1.38 27/11/2019	1.37	1.37 1.41 1.41	1.395 1000@1.	37 3000@1.42			42,054	51	58,653.22	41,242.50	0.5225	1.46	40401030
32,188,050 1.04			21/07/2008 2	20/01/2000	MOUZAKIS (CR)	0.48		0.48 27/11/2019	0.468	0.468 0.488 0.48	0.481 1500@0.4	176 1850@0.480			9,140	16	4,400.06	15,450.26	0.296	0.585	55101020
8,321,682 0.670			17/08/2007 2	23/11/1999	N. LEVENTERIS (CR)	0.16		0.16 27/11/2019			6000@0.	60 600@0.194		2018				1,845.67	0.073	0.21	50203000
2,160,524 0.670	0.0436	0.0436	03/12/2018 2	23/11/1999	N. LEVENTERIS (PR)	0.238		0.238 27/11/2019			5000@0.	70 1000@0.250		2018				1,845.67	0.13	0.268	50203000
294,016,812 0.300			08/07/2008 2	21/03/2016	NIREFS SA (CR)	0.216	1.89 #	0.212 27/11/2019	0.21	0.21 0.216 0.216	0.215 2700@0.2	214 28964@0.216	·		98,403	31	21,180.00	63,507.63	0.1514	0.22	45102010
4,971,466 1.46			04/07/2007 (	08/10/2003	PAIRIS SA (CR)	0.34	-24.78 Œ	0.452 27/11/2019	0.36	0.34 0.38 0.34	0.365	150@0.376			3,257	21	1,188.15	1,690.30	0.16	0.62	50203030
25,118,410 0.590			17/08/2000 2	25/06/2019	PAPOUTSANIS (CR)	1.655	-0.30 Œ	1.66 27/11/2019	1.69	1.635 1.69 1.655	1.661 385@1.6	54 214@1.66	37.6	1 2018	5,787	35	9,610.12	41,570.97	0.95	1.85	45201020
17,175,776 0.370			14/07/2005	30/09/2003	PERSEUS SA (CR)	1.03	3.00 #	1 27/11/2019	1	1 1.03 1.03	1.009 30@0.9	1000@1.03	6.05	2018	6,300	10	6,357.50	17,691.05	0.912	1.35	45102010
22,075,665 0.330	0.05	0.07	0.07 30/05/2019 2	27/04/2015	PLAISIO COMPUTERS SA (CR)	3.55		3.55 27/11/2019	3.58	3.5 3.58 3.55	3.554 267@3.	1374@3.55			4,405	42	15,656.56	78,368.61	3.5	4.37	40401010
43,741,452 0.660		0.0471	0.0444 20/06/2019 (	01/11/1999	THRACE PLASTICS SA (CR)	2.04	0.99 #	2.02 27/11/2019	2.03	2.02 2.04 2.04	2.028 176@2.0	1050@2.04			15,255	45	30,943.00	89,232.56	1.79	2.6	50203015
21,912,599 0.300			11/04/2011	23/02/2007	REVOIL (CR)	0.92	-3.16 <b>Œ</b>	0.95 27/11/2019	0.93	0.89 0.93 0.92	0.908 1000@0.	956@0.920	13.76	5 2018	555	5	504.12	20,159.59	0.392	1.08	60101020
28,438,268 0.300			21/08/2006 2	24/11/1999	SPIROY AGRICULTURE SA (CR)	0.22	3.77 #	0.212 27/11/2019	0.204	0.204 0.22 0.22	0.212 600@0.2	18 176@0.220			7,082	23	1,502.97	6,256.42	0.18	0.348	45102010
40,693,350 5.00			03/07/2006 2	26/05/2015	TECHNICAL OLYMPIC SA (CR)	2.38	1.71 #	2.34 27/11/2019	2.34	2.32 2.38 2.38	2.346 150@2.	956@2.38			13,955	58	32,742.96	96,850.17	1.38	2.88	40202010
1,524,000 0.300			06/07/2007 (	06/02/2013	GIRAKIAN PROFIL SA (CB)	3.94	-1.50 Œ	4 27/11/2019	4	3.94 4.2 3.94	3.99 7@3.72	2 146@3.90		2018	577	15	2,302.28	6,004.56	0.865	4.72	55102010
10,203,575 0.730			16/07/2007	18/10/1999	FIERATEX SA (CR)	0.63	-1.56 Œ	0.64 27/11/2019	0.66	0.61 0.67 0.63	0.626 330@0.6	25 400@0.630	63.65	5 2018	13,946	36	8,733.70	6,428.25	0.142	0.685	55101020
8,340,750 1.16			25/06/2009	17/09/2018	HAIDEMENOS SA (CR)	0.705	¬	0.705 27/11/2019			600@0.6	50 2400@0.740		2018				5,880.23	0.44	1.17	50205030
Main Market -	Low L	iquid	lity Class																		
14,000,000 4.15			23/04/2010 2	29/06/1999	ALPHA REAL ESTATE SA(CR)	6.85	1.48 #	6.75 27/11/2019	7.15	6.8 7.15 6.85	6.816 26@6.8	5 100@7.00			287	8	1,956.30	95,900.00	6.05	8.1	35101015
215,805,843 0.300			20/07/2009 2	29/12/2010	ATTICA HOLDINGS (CR)	1.39	6.11 #	1.31 27/11/2019	1.31	1.31 1.39 1.39	1.371 1500@1.	37 10000@1.40			17,812	39	24,425.36	299,970.12	1.15	1.475	40501015
9,907,500 0.300			06/10/2005	13/02/2002	CPI SA (CR)	0.376	7.43 #	0.35 27/11/2019	0.37	0.326 0.384 0.326	0.376 480@0.3	26 1000@0.382		2018	2,020	6	759.17	3,725.22	0.186	0.44	10102030
11,720,024 0.540			21/08/2014	30/08/2019	FLEXOPACK SA (CR)	6.9	¬	6.9 27/11/2019			90@6.9	0 102@7.25						80,868.17	6.25	7.95	50203030
4,740,000 0.860				14/03/2003	LOGISMOS S.A. (CR)	0.454	¬	0.454 27/11/2019			2000@0.4	344@0.490	57.05	5 2018				2,151.96	0.39	0.595	10101015
109,169,707 0.500			25/04/2014	19/07/2019	TRASTOR REAL EST. INV. CO.(CR)	1	-1.96 Œ	1.02 27/11/2019	1.02	1 1.02 1	1.005 2000@0.	990 5188@1.02	31.73	3 2018	24,933	34	25,058.45	109,169.71	0.692	1.24	35102030
15,300,000 0.300			30/07/2009	13/12/1999	ATTICA PUBLICATIONS SA (CR)	0.3	¬	0.3 27/11/2019			200@0.3	00						4,590.00	0.202	0.505	40301030
23,986,500 1.05			26/06/2009	15/03/2000	BIOKARPET S.A.(CR)	0.85	-3.95 Œ	0.885 27/11/2019	0.91	0.85 0.91 0.85	0.868 750@0.8	500@0.900			170	2	147.50	20,388.53	0.45	1.05	50101035
4,968,600 2.88			01/07/1998	14/12/1998	VIS SA (CR)	0.895		0.895 27/11/2019			200@0.8	10		2018				4,446.90	0.645	1.04	50203030
8,418,750 0.300	0.3	0.28	0.32 12/06/2019 2	27/06/2012	GEKE SA (CB)	4.9	¬	4.9 27/11/2019			500@4.	70 40@5.20	13.59	9 2018				41,251.88	4.6	5.4	40501025
15,000,000 0.300			06/07/2007	18/07/2000	DAIOS PLASTICS SA (CR)	3	¬	3 27/11/2019			500@2.8	36						45,000.00	2.62	3.2	50203015

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Number of Outstanding Securities Nominal Value	Dividends 2016 2017	[1] Date of Last 2018 Dividend [2]	t Coupon Right Note	Shares	Closing price	% change	Previous closing price/date	Open price	Price Price Last Avenue min max price price	J [7]	Last Ask [7]	P/E after	Year	Volume Tra	ades Transact Value		ompany Mkt ilue (thou. €)		Year high	000101
27,848,000 0.300	0.0034	20/08/2018	02/09/2003	NEWSPHONE HELLAS SA (CR)	0.488	7.96 #	0.452 27/11/2019	0.488	0.488 0.488 0.488	0.488 500@0.460	480@0.484			3,083	8	1,504.50	13,589.82	0.326 0.5	515	15102015
3,307,500 0.460		11/08/2010	04/12/2018	ELVE SA (CR)	4.6	¬	4.6 27/11/2019			120@4.36	100@4.62						15,214.50	3.14 4	4.86	40204020
23,828,130 0.500	0.052 0.06	0.05 22/07/2019	17/02/2009	ELINOIL S.A. (CR)	1.83	7	1.83 27/11/2019	1.85	1.85 1.85 1.85	1.85 683@1.81	997@1.88			3	1	5.55	43,605.48	1.22 1	1.99	60101020
34,986,430 0.440		25/07/2008	23/02/2010	INTERWOOD-XYLEMPORIA (CR)	0.146	7	0.146 27/11/2019				3100@0.160						6,006.41	0.072 0.	153	50205010
9,742,920 0.400		12/08/2016	14/07/2000	KARAMOLEGOS SA (CR)	1.68	7	1.68 27/11/2019	1.75	1.75 1.75 1.75	1.75 280@1.48	416@1.74			20	1	35.00	16,368.11	1.14 2	2.48	45102020
2,760,000 11.83	9.2 9.2	9.5 01/07/2019	16/07/1990	KARELIA TOBACCO CO. SA (CB)	280	7	280 27/11/2019			150@278.00	5@280.00					'	772,800.00	240	284	45103010
6,700,000 0.800	0.028 0.028	0.043 24/07/2019	29/05/2014	MILLS KEPENOS (CR)	1.55	-3.13 Œ	1.6 27/11/2019	1.55	1.55 1.55 1.55	1.55 1487@1.55		16.13	2018	88	2	136.40	10,385.00	1.23 1	1.78	45102020
6,200,000 0.500		22/06/2010	01/11/1995	MINERVA KNITWEAR (CR)	0.27	2.27 #	0.264 27/11/2019	0.25	0.25 0.27 0.27	0.26 1000@0.250	1000@0.286			2,000	2	520.00	1,674.00	0.153 0.3	314	40204020
21,364,000 1.12	0.2	0.2 29/07/2019	10/08/2005	LAMPSA HOTEL SA (CR)	20	7	20 27/11/2019			200@19.90	200@20.20					/	427,280.00	17.4 2	20.2	40501025
6,340,000 0.600		0.05 31/10/2018	30/11/2018	NAKAS MUSIC	2	¬	2 27/11/2019	2	2 2 2	2 699@2.00	300@2.10	16.86	2017	14,030	3 2	8,060.00	12,680.00	1.33 2	2.22	40401030
10,080,000 3.00	0.49 0.45	0.57 02/07/2019	27/08/2001	TPA SA (CR)	26.4	-1.12 Œ	26.7 27/11/2019	26.2	26 26.4 26.4	26.109 20@26.20	309@26.30	15.51	2018	1,082	14 2	8,250.00	266,112.00	23.9	31	50206060
7,070,400 0.930		30/11/2016	06/05/2016	PETROPOULOS PETROS (CR)	7.7	0.65 #	7.65 27/11/2019	7.6	7.6 7.7 7.7	7.633 100@7.65	50@7.70			150	2	1,145.00	54,442.08	6.46	7.7	50206015
27,379,200 0.300	0.148	0.294 16/08/2019	24/08/2018	CRETE PLASTICS SA (CR)	13.3	¬	13.3 27/11/2019	13.3	13.3 13.5 13.3	13.302 500@13.20	40@13.60			500	6	6,650.80	364,143.36	9.85 1	14.2	50203015
255,494,534 3.00	0.2 0.22	0.286 20/06/2019	23/12/2015	PRODEA (CR)	5.9	¬	5.9 27/11/2019	5.95	5.95 5.95 5.95	5.95 300@6.00	147@6.25			9	1	53.55 1,	507,417.75	4.4 6	6.45	35102000
4,181,450 0.500		21/08/2000	05/03/2002	FLOUR MILLS SARANTOPOULOS SA	3.3	¬	3.3 27/11/2019				1170@2.98						13,798.79	0.565	3.3	45102020
Exchange Trac	ded Funds	(FTFs)																		
812,382	acu i uiius	· (L113)	15/06/2016	ALPHA ETF FTSE Athex Large Cap	23.19		23.19 27/11/2019			300@17.50								15.86 24	1.45	12003
012,302			13/00/2010	ALI HA ETI T TOL Attick Large Cap	23.17	7	23.17 27/11/2017			300@17.30								13.00 24	1.13	12003
Surveillance																				
5,867,311 0.300		11/08/2010	28/04/2017 5123	B DIONIC (CR)	0.24	7	0.24 27/11/2019				63@0.200						1,408.15	0.175 0	0.67	50205010
172,577,414 0.300			19/09/2016 5161	1 Forthnet (CR)	0.42	-2.33 Œ	0.43 27/11/2019	0.43	0.42 0.43 0.42	0.423 13883@0.420	2000@0.450			8,959	9	3,786.28	72,482.51	0.0905	0.5	15102015
355,437,751 0.100		07/07/2010	21/09/2017 5160	FRIGOGLASS SA (CR)	0.195	-2.50 Œ	0.2 27/11/2019	0.195	0.195 0.198 0.195	0.195 1455@0.194	14@0.195			26,015	13	5,072.96	69,310.36	0.0855 0.2	224	50204000
51,081,030 1.00		20/08/2007	03/09/2007 4912	2 LAVIPHARM SA (CR)	0.19	7	0.19 27/11/2019	0.19	0.19 0.19 0.19	0.19 2000@0.181	10584@0.190			93,755	36 1	7,813.45	9,705.40	0.11 0	0.38	20103015
4,419,616 1.58		21/07/2011	04/03/2015 4983	3 MEDICON S.A (CR)	1.97	7	1.97 27/11/2019			348@1.92	648@1.95						8,706.64	1.2	2.3	20102010
14,967,940 0.500		21/05/2008	04/01/2008 4956	5 PASAL DEVELOPMENT S.A. (CR)	0.115	7	0.115 27/11/2019	0.115	0.115 0.115 0.115	0.115 709@0.093	15630@0.115			25,000	12	2,875.00	1,721.31	0.07	0.3	35101010
65,326,268 0.530		04/07/2007	19/07/2006 4750	SATO SA (CR)	0.021	-8.70 <b>Œ</b>	0.023 27/11/2019	0.021	0.021 0.021 0.021	0.021 3191@0.021	1400@0.028			30,126	14	632.65	1,371.85	0.016 0.0	.085	40202015
33,301,715 0.320		27/06/2003	08/07/2009 5195	5 AEGEK (CR)	0.06	7	0.06 27/11/2019	0.0485	0.0485 0.0595 0.0595	0.053 310@0.059	10508@0.060			544	7	28.83	1,998.10	0.028 0.0	075	50101010
13,000,000 1.00		01/08/2007	07/04/2000 5093	3 AKRITAS SA (CR)	0.468	¬	0.468 27/11/2019	0.4	0.4 0.4 0.4	0.4 20@0.440	151@0.560			120	6	48.00	6,084.00	0.16	0.72	50101035
185,373,016 0.300		02/07/2008	28/02/2011 4957	7 ANEK LINES SA (CR)	0.055	-8.33 Œ	0.06 27/11/2019	0.056	0.055 0.056 0.055	0.055 4380@0.055	2000@0.060			53,720	18	2,954.79	10,514.96	0.04	0.09	40501015
312,163 0.300		02/07/2008	28/02/2011 4959	ANEK LINES SA (PR, issue '90)	0.072	7	0.072 27/11/2019			1500@0.058							10,514.96	0.048 0.0	.086	40501015
2,969,713 0.300		02/07/2008	28/02/2011 4958	B ANEK LINES SA (PR, issue '96)	0.1	7	0.1 27/11/2019										10,514.96	0.056	0.12	40501015
4,737,503 0.320		22/06/2005	22/09/2015 5115	5 VARANGIS AVEPE S.A. (CR)	0.16	¬	0.16 27/11/2019	0.129	0.129 0.129 0.129	0.129 11@0.129				15	2	1.94	758.00	0.0385 0.	198	40202015
6,330,002 0.300		25/06/2002	15/03/2019 5162	2 VARVARESSOS (CR)	0.44	¬	0.44 27/11/2019						2018				2,785.20	0.216	0.44	55101020
17,579,754 4.16		18/08/2006	02/08/2010 5156	5 BIOTER SA (CR)	0.0475		0.048 27/11/2019			2000@0.038	54@0.048						835.04	0.028 0.0	.085	50101010
15,878,748 0.480		10/07/2006	22/03/2004 5095	5 DOMIKI KRITIS SA (CR)	0.171	¬	0.171 27/11/2019			2000@0.137	1000@0.174						2,715.27	0.05 0.2	214	50101010
3,961,300 1.28		29/06/2004	03/08/2000 5080	DUROS SA (CR)	0.27	¬	0.27 27/11/2019				30@0.230		2018				1,069.55	0.151 0	0.27	40204020
51,754,364 0.300		23/12/2003	24/01/2007 5197	7 SELECTED TEXT. IND. ASSOC (CR)	0.25	¬	0.25 27/11/2019	0.218	0.218 0.232 0.232	0.22 418@0.234	230@0.242			518	4	113.72	12,938.59	0.0875	0.3	55101020
11,125,110 0.300		02/06/2010	06/11/2017 5178	B EUROCONSULTANTS S.A. (CR)	0.178	7	0.178 27/11/2019			500@0.156	6790@0.198						1,980.27	0.105	0.24	50205020
7,125,216 0.650		01/07/2005	14/12/1999 4955	5 KRE.KA SA (CR)	0.0485	7	0.049 27/11/2019			19000@0.058			2018				345.57	0.0275 0.0	058	45102010

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Number of Outstanding Securities Nominal Value		dends [1] 2017 20	Date of Last Coupon 8 Dividend [2] Right	Note	Shares	Closing price	% change	Previous clos price/date				e Last / x price p		Last Bid [7]	Last Ask [7]	P/E after	Year	Volume	Trades Tr		Company Mkt Value (thou. €			ear Sector  igh 4]
7,734,375 1.00			09/07/2007 07/01/20	11 5112	LIVANIS SA (CR)	0.08	7	0.08 27/11/	2019 -						501@0.064						618.75	0.032	0.096	40301030
15,842,391 1.51			15/07/2009 12/05/20	00 5141	BITROS HOLDING SA (CR)	0.15	7	0.15 27/11/	2019 0.1	12	0.12 0	.14 0.14	0.	14 500@0.140	1000@0.150			1,001	3	140.12	2,376.36	0.084	0.278	55102010
119,596,817 0.040			15/07/2008 27/04/20	17 5190	NIKAS SA (CR)	0.5	7	0.5 27/11	2019 -												59,798.41	0.32	0.6	45102020
24,319,250 0.300			09/07/2002 04/07/20	07 5165	PROODEFTIKH SA (CR)	0.145	-2.03 <b>Œ</b>	0.148 27/11	2019 0.12	24 0	.124 0.1	45 0.145	0.1	38 9150@0.144	300@0.148			4,049	9	559.56	3,526.29	0.09	0.248	50101010
245,497,664 0.310			01/07/2008 30/07/20	12 5207	SELONDA AQUACULTURE SA (CR)	0.053	1.92 #	0.052 27/11	2019 0.05	53 0	.053 0.0	53 0.053	0.0	53 10000@0.051	1797@0.053			9,650	13	511.45	13,011.38	0.031	).0776	45102010
10,186,667 1.35			24/06/2008 02/02/20	16 4887	SIDMA SA (CR)	0.625	7	0.625 27/11	2019 0.6	65 0	.615 0	.65 0.64	0.6	35 361@0.615	61@0.640			3,736	12	2,371.90	6,366.67	0.204	0.72	55102010
766,000 1.00			01/07/2004 11/12/20	12 5193	TRIA ALFA SA (CR)	1.8	7	1.8 27/11	2019 2.1	16	2.16 2	.16 2.16	2.	16	198@2.16	55.15	2018	68	1	146.88	1,660.55	1.44	3.18	55101020
245,000 1.00			19/07/2010 11/12/20	112 5194	TRIA ALFA SA (PR)	1.15	¬	1.15 27/11	2019 -					300@1.05		35.23	2018				1,660.55	0.535	2.1	55101020
Suspension Sta	atus																							
20,255,805 0.300			22/08/2006 02/08/20	10 5136	AXON HOLDING SA (CR)	0.058	7	0.058 28/04	2017 -												1,174.84	0.058	0.058	20101010
21,820,410 0.800			22/05/2008 02/08/20	11 5174	EUROMEDICA SA (CR)	0.448	7	0.448 30/04	2018 -												9,775.54	0.448	0.448	20101010
66,948,210 0.300			22/09/2015 22/09/20	15 5179	FOLLI FOLLIE (CR)	4.8	7	4.8 24/05	2018 -												321,351.41	4.8	4.8	40401030
13,191,620 0.620			04/08/2010 09/09/20	02 5217	YALCO - CONSTANTINOU SA (CB)	0.0555	¬	0.056 30/09/	2019 -						***						732.13	0.048	0.178	40202020
14,870,100 0.300			15/05/2008 26/09/20	11 5130	ALPHA GRISSIN S.A. (CR)	0.014	7	0.014 13/04	2017 -												208.18	0.014	0.014	10102030
33,930,000 0.300			03/07/2006 30/05/20	01 4865	BABIS VOVOS SA (CR)	0.304	¬	0.304 30/03	2012 -												10,314.72	0.304	0.304	35101010
77,126,446 0.340			23/05/2005 18/08/20	11 5206	G.E. DIMITRIOU (CR)	0.0125	¬	0.013 30/04	2019 -												964.08	0.01	0.028	40202020
6,000,000 0.600			13/06/2008 08/04/20	04 5172	EUROBROKERS S.A. (CR)	0.008	¬	0.008 27/04	2018 -												48.00	0.008	0.008	30302015
7,085,888 1.59			02/07/1996 06/09/20	10 5216	ELVIEMEK (CR)	2.6	¬	2.6 30/09/	2019 -												18,423.31	2.6	4.7	35101010
24,619,524 0.500			10/10/1986 30/12/20	02 4914	KERAMIA-ALLATINI (CR)	0.088	¬	0.088 30/08	2012 -												2,166.52	0.088	0.088	35101010
31,543,600 0.420			19/07/2010 19/12/20	18 5205	KRETA FARM SA (CR)	1.085	¬	1.085 30/04	2019 -												34,224.81	0.6	1.22	45102020
25,179,640 0.600			08/08/1994 19/09/20	00 5191	J.BOUTARIS & SON HOLD. SA (CB)	0.026		0.026 01/10	2018 -												742.45	0.026	0.026	45101015
1,540,000 0.600			08/08/1994 19/09/20	00 5192	J.BOUTARIS & SON HOLD. (PB)	0.057	¬	0.057 01/10	2018 -												742.45	0.057	0.057	45101015
23,935,280 0.300			29/06/2009 13/06/20	00 5153	NAYTEMPORIKI PUBLISHING SA(CR)	0.107		0.107 02/10	2017 -												2,561.07	0.107	0.107	40301030
255,459,600 0.300			26/06/2000 03/12/20	10 5101	NEL SA (CR)	0.07	¬	0.07 31/08	2015 -												17,882.17	0.07	0.07	40501015
23,463,874 0.800			23/05/2003 21/12/19	99 4918	NEORION SA (CR)	0.125	¬	0.125 30/08	2012 -												2,932.98	0.125	0.125	50206030
18,750,000 0.300			02/07/2001 31/12/20	12 5154	PEGASUS PUBLISHING S.A. (CR)	0.089	¬	0.089 02/10	2017												1,668.75	0.089	0.089	40301030
23,743,440 0.300			23/06/2008 24/07/20	18 5218	SFAKIANAKIS SA (CR)	0.34	¬	0.34 07/10	2019 -												8,072.77	0.236	0.392	40401030
100,793,572 0.300			16/07/2009 11/02/20	16 5110	TELETIPOS SA (CR)	0.06	¬	0.06 07/03	2016												6,047.61	0.06	0.06	40301035
4,034,950 0.680			01/07/2005 30/12/20	10 5171	CHATZIKRANIOTIS & SONS SA (CR)	0.14	¬	0.14 27/04	2018 -												564.89	0.14	0.14	45102020

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#### 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 referred 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.
- 5115 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.
- $\label{eq:continuous} 5179 \quad \text{-} \quad \text{Suspension of trading as of } 25/05/2018.$
- 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.

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# Shares' Notes

5219

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.

- The 97,014,940 new (CR) shares, resulting from the recent share capital increase through a rights issue, are not yet admitted to trading on ATHEX.

Daily Official List				Year: 140 Trading D	ay No: 227
Section 3: Figures of Securities Transactions				Thursday, 28 Nove	mber, 2019
Securities Blocks Details					
Securities	Block Volume	Price	Block Trade Value	Time of approval	Note
NATIONAL BANK (CR)	150,000	3.01	451,650.00	14:45:27	20
ALPHA BANK (CR)	390,000	1.85	719,550.00	16:45:42	20
OTE (CR)	50,000	13.73	686,500.00	17:11:54	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 Official ListYear: 140 Trading Day No: 227Section 3: Figures of Securities TransactionsThursday, 28 November, 2019

Shares F	Rights De	tails											
Occured date	Exercise from	Exercise until	Trading until	Rights	Price min	Price max	Closing price	Last Bid	L	_ast Ask	Volume	Trades	Transactions Value
25/11/2019	28/11/2019	12/12/2019	09/12/2019	BRIQ PROPERTIES REIC (CR)	0.012	0.035	0.022				36,720	55	878.47

Daily Official List				Year: 140 Trading D	Day No: 227
Section 3: Figures of Securities Transactions				Thursday, 28 Nove	ember, 2019
Securities Forced Sales					
Securities	Category of Security	Transaction s Volume	Number of Trades	Transactions Value	Note

#### Forced Sales Notes

1 - Normal Forced Sale.

No Forced Transactions.

- 2 Forced Sales of Fixed Registered Shares.
- 3 Forced Sales of Remaining Stock Fractions.

Daily Official ListYear: 140 Trading Day No: 227Section 3: Figures of Securities TransactionsThursday, 28 November, 2019

Forced Sales Registered Shares

Start Date End Date Transactions Transactions Initial Remaining Avg price Avg price Number of Securities Date Volume Trades Volume Value Volume (day) (period)

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								Year: 140	Trading [	Day No: 227
Section 3: Figures of Securities Transactions								Thursday	y, 28 Nov	ember, 2019
Exchange Traded Funds (ETFs) Ch	aracteristics									
	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
ALPHA ETF FTSE Athex Large Cap	28/11/2019	5,000	812,382			812,382	18,799,630.00	23.1414	0.43	30/06/2018

#### ETFs Notes

<sup>[1] -</sup> Units (T) = Units (T-1) + New Units (T-1) - Redemption Units (T-1)

<sup>[2] -</sup> The Creation / Redemption Units of T-1 are included.

Daily Official List Year: 140 Trading Day No: 227

Section 5: Bonds traded in Fixed Income Assets Market

Thursday, 28 November, 2019

#### Convertible Corporate Bonds - Regulated Market

Num Lis Bond	sted Nomina Is price		_ *	Exp. Date	Duration (years)	Note	Co	upon Preffered	Tradin g Corporate Bonds	Price min Price max	Closing price	Previous clo price/da	Volume	Transactions Value	Last ord Price	der Buy / Sell	Date	ear min	Year max
171,26	58,704 0.30	0.30	0 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.

#### Non Convertible Corporate Bonds - Regulated Market

		-		-																			
Num Listed Bonds	Nominal price	Issue price	Today's Rate	Exp. Date	Duration (years)	Note	Common	oupon Preffered	Tradii g	Corporate Bonds	Accrued Yie Int.	ld.T.Mat	Price min	Price max	Closing price	Previous closing price/date	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)	12.1833	3.3600	99.9999	100.0100	100.0018	100.3680 27/11/2019	151,000	152,842.38	100.0000	) B	28/11/2019	98.9970	103.4000
300,000	1,000.00	1,000.00	3.10	27/06/2022	5		5		1	MYTILINEOS HOLDINGS S.A. (Non Convertible)	13.6056	2.6570	100.5500	100.6500	100.5879	100.5240 27/11/2019	121,000	123,357.67	100.5700	) В	28/11/2019	100.5242	103.4000
50,000	1,000.00	1,000.00	4.35	20/06/2022	5		5		1	SYSTEMS SUNLIGHT S.A. (Non Convertible)	19.9375	3.2490	100.8000	102.5000	101.8000	101.8650 27/11/2019	56,000	57,801.30	100.9000	) B	28/11/2019	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)	6.8056	2.7220	100.6000	101.3500	101.1421	100.9000 27/11/2019	576,000	586,373.28	100.6000	) B	28/11/2019	100.4347	103.5200
24,260	1,000.00	1,000.00	4.95	26/06/2023	5		3		1	B&F COMM. & GARM. INDUS. S.A. (Non Convertible)	21.8625	7.2170	92.0000	93.3499	92.0000	92.0000 27/11/2019	40,000	37,809.47	91.0000	В	28/11/2019	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)	1.7500	1.8480	103.5000	103.5000	103.5000	103.0600 27/11/2019	15,000	15,551.25	103.2500	) B	28/11/2019	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)	6.4736	2.4340	106.0800	106.5000	106.4955	105.2000 27/11/2019	63,000	67,421.04	106.0000	) B	28/11/2019	99.0000	107.2000
40,000,000	1.00	1.00	5.00	04/10/2021	5		13		1	HOUSEMARKET S.A. (Non Convertible)	0.0082	1.9780				104.9000 27/11/2019			104.1000	) B	28/11/2019	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)	2.9611	2.2500	101.5000	102.4500	102.0781	102.0900 27/11/2019	58,000	59,377.06	101.8700	) В	28/11/2019	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)	8.1000	2.3180	105.0000	106.8000	106.7872	105.9620 27/11/2019	180,000	191,380.84	106.5000	) B	28/11/2019	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.

Hellenic Exchanges – Athens Stock Exchange S.A.

Market Operation & Development Division - Statistics & Information Services

Section 5: Bonds traded in Fixed Income Assets Market

Year: 140 Trading Day No: 227 Thursday, 28 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	Tradino Unit	Government Bonds	Price min	Price max	Closing price	Previous closing price/date	Volume	Transactions Value		Last orde Buy / Sel	
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	28/11/201
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	28/11/201
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	28/11/201
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	28/11/201
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	28/11/201
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	28/11/201
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	11/07/201
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	15/10/201
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: 227

Section 5: Bonds traded in Fixed Income Assets Market

Thursday, 28 November, 2019

**Government Bonds** 

Number Nominal Today's Accrued Exp. Duration Coupons Curr. coupon Trading Government Bonds Price Price Price Listed Bonds price Rate Interest Calc Date [1] (years) Note Date value Unit	ice Cl iax p	Closing price	Previous closing price/date	Volume	Transactions Value	Price	Last order Buy / Sell	Date	3
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#### **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.

Daily Official List

Year: 140 Trading Day No: 227

Section 5: Bonds traded in Fixed Income Assets Market

Thursday, 28 November, 2019

# Treasury Bills & Zero Coupon Government Bonds

				13-W	/eek Maturi	ty							26-W	/eek Maturi	ty							52-V	leek Maturit	у			
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 1 Price	Trade Date	Volume Traded	Note	Exp. Date	Initial Rate	Num Listed Bonds	Nominal price	Issue price	Last T Price	rade 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 List

Year: 140 Trading Day No: 227
The state 20 New York 2010

Section 5: Government Bonds Traded with the Open Outcry Method

Thursday, 28 November, 2019

Bonds in Circulation	Currency / Min nominal traded Value	Coupons Payment Date	Current Coupon Value	Note	Coupon	Trading Unit	Issue Date	Duration (years)	Today's Interest	A.I.C in days Bonds	Last price of previous days		utcry in Ca Buy / Sel	ash (euro) I Date	Trades in Pieces	Life min	Life Max
Corporate	Bonds in Foreig	gn Currenc	y and Euro	)													
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.

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Section 5, 1/1

# Athex & ATHEXClear Members List

Member Name				Stock Market		Derivat	ives Market	ATHE	XClear Member
Address	Phone	Fax	Market	Remote	Market	Proprietary	Market	General	Direct
			Member	Member	Maker	,	Maker	Clearing	Clearing
A. SARRIS SECURITIES S.A.	20 21022/7700	210 2212224	а						
6, DRAGATSANIOU ATHINA ALPHA BANK A.E.	+30 2103367700	210-3312324						а	
40, STADIOU STR ATHINA	(210)-3265546	(210)-3265811						a	
40, STABIOG STATITION	(210)-3260000	(210)-3264116							
103, AVE. ATHINON ATHINA	+30 2103436820	210-3436270							
ALPHA FINANCE INVESTMENT SERVICES S.A.	+30 2 103430020	210-3430270	а		а	а	а		а
5, MERLIN ATHINA	+30 2103677400	210-33311193			•		•		
ARGUS STOCKBROKERS LTD	100 2 10007 7 100	210 00011170	а	а		а			
25 , DIMOSTHENI SEVERI AVE NICOSIA	+357 22717000	0035722717070							
ATLANTIC SECURITIES LIMITED			а	а					
37, PRODROMOU NICOSIA	+357 22445400	00357 22661914							
AXON SECURITIES S.A.			а			а			
48, STADIOU ATHINA	+30 2103363800	210-3243903							
BETA SECURITIES S.A.			а		а	а			а
29 , ALEXANDRAS AVEN. & VRAILA ATHINA	+30 2106478900	210-6410139							
BNP PARIBAS SECURITIES SERVICES								а	
2, LAMPSAKOU ATHINA	+30 2107468500	210-7468579-581							
CAPITAL SECURITIES S.A.			а			а			
58, MITROPOLEOS ATHINA	+30 2103369700	+30 210 3369820							
CFS SECURITIES-INVESTMENT SERVICES S.A.			а						
3, PAPARRIGOPOULOU ATHINA	+30 2103360800	+30 210-3360980							
CITIGROUP GLOBAL MARKET LTD			а	а					
1, CITIGROUP CENTER , CANADA SQ., CANARY WHARF LONDON	+44 02079864000								
CITIGROUP GLOBAL MARKETS EUROPE AG			а	а					
16, REUTERWEG FRANKFURT									
CREDIT SUISSE SECURITIES (EUROPE) LIMITED			а	а					
1 , CABOT SQUARE LONDON	+44 2078888888								
CYCLOS SECURITIES S.A.			а			а			а
39, PANEPISTIMIOU ATHINA	+30 2103364300	+30 210-3239122							
DEUTSCHE BANK S.A.				а					
1 , GREAT WINCHESTER STREET LONDON	+44 20 754 54209	00441133361437							
DYNAMIC SECURITIES S.A.			а			а			а
, SYGROU AVENUE 223 & TRALLEON 2 NEA SMYRNI	+30 2103677700	210-3677777							
EUROBANK EQUITIES INVESTMENT FIRM S.A			а		а	а	а		а
, FILELLINON 10 & XENOFONTOS 13 ATHINA	+30 2103720000	210-3720001							
EUROBANK ERGASIAS S.A. 8. OTHONOS ATHINA	. 20 2102227000	210 2245017						а	
	+30 2103337000	210-3245916							
8, OTHONOS STR. ATHINA	(210)-3337000	(210)-3233866							
	(210)-3337969	(210)-3245916							
EUROCORP INVESTMENT SERVICES S.A.			а			а			а
14, FILIKIS ETERIAS SQ, ATHINA	+30 2107263500	2107263666							
EUROTRUST INVESTMENT FIRM SA	20 21022/2102	. 20 210 22222	а						
113, SEVASTOUPOLEOS ATHINA	+30 2103363100	+30 210-3238334							
EUROXX SECURITIES S.A. 7. PALAJOLOGOLI CHALANDRI	(210) 6070400	(210) 6970401	а		а	а	а		а
7, PALAIOLOGOU CHALANDRI	(210)-6879400	(210)-6879401							
7, PALEOLOGOU CHALANDRI	+30 2106879400	210-6879401	-						
G. A. PERVANAS SECURITIES-INVESTMENT SERVICES CO S.A. 7-9, SOFOKLEOUS ATHINA	±30 2102727200	210,2210,201	а						
GLOBAL CAPITAL SECURITIES AND FINANCIAL SERVICES LTD	+30 2103727200	210-3210-291	-						
50, AVE. ARCHIEPISKOPOU MAKARIOU NICOSIA	+357 22710710	357 22339332	а	а					
HELLENIC BANK (INVESTMENTS) LTD	1307 227 107 10	337 22337332		а					
, AVE.KYRIAKOU MATSI 31 - PO BOX 24747 NICOSIA	+357 22500100	357 22500110		_					
HELLENIC-AMERICAN SECURITIES S.A.		22. 22000110	а		а	а			а
27, ANDREA PAPANDREOU ATHINA	+30 2103311100	+30 210-3215968							-
HSBC FRANCE		22 22 32 37 33						а	
109-111, AVE. MESOGION ATHINA	+30 2106960000	210-6929336							
INDEX SECURITIES S.A.			а						
6, DRAGATSANIOU ATHINA	+30 2103213920	+30 210-3213216	_						
J. CHR. MAVRIKIS SECURITIES S.A.			а						
5, SOFOKLEOUS ATHINA	+30 2103216730	210-3217767							
KAPPA SECURITIES S.A.			а			а			
15, VALAORITOU ATHINA	+30 2103678600	+30 210-3641002				-			

# Athex & ATHEXClear Members List

Member Name				Stock Market		Derivat	ives Market	ATHE	XClear Membe
Address	Phone	Fax	Market Member	Remote Member	Market Maker	Proprietary	Market Maker	General Clearing	Direct Clearing
KARAMANOF SECURITIES AND INVESTMENT SERVICES S.A.			а			а			
2, SQ. AGION THEODORON ATHINA	+30 2103212947	+30 210-3217088							
AIKI FINANCIAL SERVICES LTD				а					
6, 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							
IERIT SECURITIES S.A			а		а	а			а
, SOFOKLEOUS ATHINA	+30 2141008800	210-3671830							
IERRILL LYNCH INTERNATIONAL			а	а					
, KING EDWARD STREET LONDON	+44 20276281000								
I. 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	
B, AKADIMIAS STR. ATHINA	(210)-3328817	(210)-3328678							
6, AIOLOU STR. ATHINA	(210)-3341000	(210)-3228187							
ATIONAL SECURITIES S.A			а		а	а	а		
6, 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 F	LOORS \$1122873760								
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							
IRAEUS BANK S.A.			а			а		а	
, AMERIKIS STR. ATHINA	(210)-3335000	(210)-3335079							
, AMERIKIS STR ATHINA	(210)-3335918	(210)-3254207							
, AMERIKIS STRATIIINA	+30 2103335000	210-3335079							
	+30 2103333000	210-3330079				-	0		
IRAEUS SECURITIES S.A.	+30 2103354100	210 2254170	а		а	а	а		а
DOCUMES SECURITIES LTD	+30 2103334100	210-3354170		-					
ROCHOICE SECURITIES LTD	.257.24 //1102	.257.24.7/2474	а	а					
7, SPYROY KYPRIANOY NICOSIA	+357-24-661192	+357-24-662464							
HARELINK SECURITIES-FINANCIAL SERVICES LTD	, 257 2255 4202	. 257 22750052	а	а		а			
, THEOTOKI MEGARO ELLINA NICOSIA	+357 22554200	+357 22750852							
OCIETE GENERALE S.A.	00.45=====	004 404 55 155	а	а		а			
17 COURS VALMY 92987 PUTEAUX - LA DEFENSE PARIS	+33 157290504	+33142138697							
OLIDUS SECURITIES S.A	00.046.1777.1	040 (055 :55	а			а			а
4, LOUIZIS RIANCOUR ATHINA	+30 2106900600	210-6985421							
T. EM. LAVRENTAKIS SECURITIES S.A.			а			а			
-9, SOFOKLEOUS ATHINA	+30 2103213336	+30 210-3246572							
HE CYPRUS INVESTMENT & SECURITIES CORPORATION LTD			а	а					
54, LIMASSOL AVENUE, STROVOLOS NICOSIA	+357 22121700	357 22338800							
BS LIMITED				а					
, FINSBURY AVENUE LONDON	+44 2075687135								

Daily Official List

Section 6: Additional Infos

Year: 140 Trading Day No: 227

Thursday, 28 November, 2019

# List of Stocks under Market Making operations

Securities Market Maker	Stock Category Start Market Making
	<u> </u>
ADMIE (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
VL 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
	2 1/03/2016 Main Market
LASTRON (CR)	
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
.TON SA (CR)	Main Market
BETA SECURITIES S.A.	03/09/2013
LEON DEPOLAS SECURITIES S.A.	01/04/2019
VALHALCOR (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	07/05/2018
EUROBANK EQUITIES INVESTMENT FIRM S.A	07/05/2018
JROBANK 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
JROPEAN 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
SEK 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
ELLENIC PETROLEUM (CR)	Main Market
HELLENIC-AMERICAN SECURITIES S.A.	14/09/2015
PIRAEUS SECURITIES S.A.	20/03/2017
CTINOS 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
ITERCONTINENTAL (CR)	Main Market
LEON DEPOLAS SECURITIES S.A.	03/06/2019
ITRACOM 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
OTOR 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
IYTILINEOS (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

# 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	28/02/2013
PIRAEUS SECURITIES S.A.	08/09/2013
PAP (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
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.	19/11/2018
BETA SECURITIES S.A.	25/11/2013
ETROPOULOS PETROS (CR)	Main Market
	01/04/2019
EUROBANK EQUITIES INVESTMENT FIRM S.A	
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	06/11/2017
NATIONAL SECURITIES S.A	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
JEST 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
TAN CEMENT (CB)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	07/11/2019
OHALCO 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
Year: 140 Trading Day No: 227
Section 7: Index Futures
Thursday, 28 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	Fixing price*		Life low	Trades	Volume	Open Interest	
FTSE/Athex Large Cap															(Trade Unit: 1 Index Point x 2€, Cash Settlement)
2,271.89 2,242.45 2,271.78 0.76%	December 2019	2,254.00	2,270.75	2,240.00	2,270.75	2,270.75					2,270.75		165	899	11,026
	January 2020	2,251.00	2,265.00	2,243.00	2,265.00	2,265.00					2,271.00		12	73	344
	February 2020					2,265.50									
	March 2020					2,269.00									
	June 2020					2,280.25									
	September 2020					2,291.75									

#### Derivatives notes

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

Open Interest						atives Market	Deriva								<b>Underlying Asset</b>				
	Volume	Trades		Life low	Life high	Fixing price*	Last Bid Last Ask			st price Clos	rice min La	rice max P	Open price Pr	Delivery Month	Price max   Price min   Closing price   change				
(Contract Size: 100 Securities, Physical Deliv														-	A. (CR)	DING S.	PTO) HOL	ADMIE (II	
7,583	10	1		25	2.25				2.16	2.16	2.16	2.16	2.16	December 2019	-0.23%	185 2.15 2.175 -0.23%	2.185		
									2.19					March 2020					
			-						2.20					June 2020					
			-						2.22					September 2020					
(Contract Size: 100 Securities, Physical Deliv															_		BANK (CR)	ALPHA B	
61,865	1,738	179		99	1.99				1.90	1.90	1.82	1.90	1.86	December 2019	1.82%	1.899	1.82	1.9	
- 1				55	1.65				1.88					March 2020					
			-						1.89					June 2020					
									1.90					September 2020					
(Contract Size: 100 Securities, Physical Deliv																(CR)	BANK S.A	ATTICA F	
7,475	4	1	-	58	0.468				0.424	0.424	0.424	0.424	0.424	December 2019	1.64%	0.434	0.417	0.4345	
			-						0.430					March 2020					
			-						0.432					June 2020					
			-						0.434					September 2020					
(Contract Size: 100 Securities, Physical Deliv																	AG (CR)	CC HBC /	
437	107	46	-	38	31.38				30.10	30.10	30.10	30.50	30.43	December 2019	-0.26%	30.6 30.12 30.2 -0.2	30.6		
			-						30.47					March 2020					
			-						30.62					June 2020					
			-						30.78					September 2020					
(Contract Size: 100 Securities, Physical Deliv															)	GS (CB)	Y HOLDIN	CENERG	
7,709				16	1.46				1.32					December 2019	-1.06%	1.304	1.3	1.314	
			-						1.33					March 2020					
			-						1.33					June 2020					
			-						1.34					September 2020					
(Contract Size: 100 Securities, Physical Deliv																	OR (CR)	ELLAKTO	
21,255	647	57		27	2.27				1.71	1.71	1.70	1.73	1.73	December 2019	0.35%	1.7	1.682	1.718	
									1.70					March 2020					
			-						1.71					June 2020					
			-						1.72					September 2020					
(Contract Size: 100 Securities, Physical Deliv															R)	SIAS (CI	NK ERGA	EUROBA	
38,969	2,136	116	-	94	0.994				0.961	0.961	0.920	0.964	0.937	December 2019	2.23%	0.961	0.916	0.964	
			-						0.946					March 2020					
									0.951					June 2020					
			-						0.955					September 2020					

#### Derivatives notes

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

Underlying Asset											Derivat	ives Market						
Price max	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 Life low		Trades	Volume		Open Interest	
EYDAP S	5.A. (CR)																(Contract Size: 10	00 Securities, Physical Delivery
7.6	7.47	7.5	-0.27%	December 2019	7.53	7.53	7.53	7.53	7.53				8.18		1	1		440
				March 2020					7.57									
				June 2020					7.61									
				September 2020					7.64									
FOURLIS	(CR)																(Contract Size: 10	00 Securities, Physical Delivery
5.4	5.35	5.4	0.93%	December 2019					5.36				5.60					203
				March 2020					5.38									
				June 2020					5.41									
				September 2020					5.44									
GEK TER	RNA (CR)																(Contract Size: 10	00 Securities, Physical Delivery
7.09	7.01	7.08	0.14%	December 2019	7.05	7.08	7.05	7.08	7.08				7.12		2	13		10,642
			March 2020					7.11										
				June 2020					7.15									
				September 2020					7.19						-			
HELLENI	C EXCHA	ANGES-	A.S.E. (CR)														(Contract Size: 10	02 Securities, Physical Delivery
4.63	4.555	4.57	-1.30%	December 2019	4.57	4.63	4.57	4.60	4.60				4.90		19	64		2,667
				March 2020					4.66									
				June 2020					4.68									
				September 2020					4.71									
HELLENI	C PETRO	DLEUM (	CR)														(Contract Size: 10	00 Securities, Physical Delivery
8.66	8.56	8.58	-0.23%	December 2019					8.61				9.40					2,103
				March 2020					8.65									
				June 2020					8.70									
				September 2020					8.74									
INTRACC	OM HOLD	INGS (C	:R)														(Contract Size: 10	00 Securities, Physical Delivery
0.869	0.859	0.86	-0.92%	December 2019	0.870	0.870	0.870	0.870	0.870				1.08		2	10		3,810
				March 2020					0.873				1.01					
				June 2020					0.878									
				September 2020					0.882									
INTRALO	T (CR)		_														(Contract Size: 10	00 Securities, Physical Delivery
0.3965	0.3885	0.3885	-1.40%	December 2019	0.400	0.407	0.391	0.407	0.407				0.522		12	72		6,358
				March 2020					0.396									
				June 2020					0.398									
				September 2020					0.400									

Derivatives notes

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Hellenic Exchanges – Athens Stock Exchange S.A.

Section 7, 2/4

Market Operation & Development Division - Statistics & Information Services

Underly	ying Asse	t			Derivatives Market											
Price max  Price min  Closing price change		Delivery Month	nth Open price Price max Price min Last price Closing price					Last Bid	Last Ask	Fixing price*	Life high L	ife low	Trades	Volume	Open Interest	
JUMBO SA (CR)	)															(Contract Size: 100 Securities, Physical Deliver
18.7 18.5	18.52	-0.91%	December 2019	18.72	18.72	18.50	18.50	18.50				18.83		131	439	579
			March 2020					18.81								
			June 2020					18.90								
			September 2020					19.00								
AMDA DEVELO	OPMENT S	SA (CR)														(Contract Size: 106 Securities, Physical Delive
7.4 7.18	7.18	-0.97%	December 2019	7.28	7.34	7.19	7.19	7.19				7.34	7.17	51	200	1,421
			March 2020	7.20	7.27	7.11	7.11	7.11				7.27	7.01	16	62	63
			June 2020					7.33								
			September 2020					7.37								
MARFIN INVEST	TMENT GF	ROUP (CR)														(Contract Size: 100 Securities, Physical Delive
0.0926 0.09 0.0926 1.54%	1.54%	December 2019	0.092	0.093	0.090	0.092	0.092				0.160		48	1,891	78,766	
			March 2020					0.092				0.110				582
		June 2020					0.092									
			September 2020					0.093								
MOTOR OIL (CR	₹)															(Contract Size: 100 Securities, Physical Delive
21.44 21.2	21.44 21.2 21.44 0.47%	0.47%	December 2019	21.42	21.42	21.00	21.10	21.10				22.30		9	19	603
			March 2020					21.48								
			June 2020					21.58								
			September 2020					21.69								···
MYTILINEOS (CF	R)															(Contract Size: 100 Securities, Physical Delive
9.885 9.8	9.84	0.36%	December 2019	9.80	9.95	9.80	9.95	9.95				10.34		90	332	13,428
			March 2020					9.87				9.94				25
			June 2020					9.92								
			September 2020					9.97								
IATIONAL BAN	IK (CR)															(Contract Size: 100 Securities, Physical Delive
3.136 2.984	3.126	2.26%	December 2019	3.03	3.14	3.00	3.13	3.13				3.16		308	3,449	37,016
			March 2020					3.08				3.10				1
			June 2020					3.09								
			September 2020					3.11								
PAP (CR)																(Contract Size: 100 Securities, Physical Delive
10.96 10.52	10.96	5.38%	December 2019	10.40	10.99	10.40	10.94	10.94				10.99		319	1,549	7,016
10.32	10.70	3.3070	March 2020	10.40	10.77	10.40	10.74	10.47				10.77		317	1,347	
			June 2020					10.52								
			September 2020					10.57								
		Soptomber 2020					10.37									

#### Derivatives notes

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

	Underlyi	ing Asset									Deriva	tives Market					
Price max	Price min	Closing price	e change	Delivery Month	Open price F	Price max	Price min La	st price Clos	sing price	Last Bid	Last Ask	Fixing price*	Life high	Life low	Trades	Volume	Open Interest
OTE (CR	)																(Contract Size: 100 Securities, Physical Delivery
13.77	13.62	13.73	-0.29%	December 2019	13.79	13.79	13.65	13.74	13.74				13.97		28	57	2,153
				March 2020					13.86								
				June 2020					13.93								
				September 2020					14.00								
P.P.A. S.	A. (CR)																(Contract Size: 100 Securities, Physical Delivery
22.9	22.75	22.8	-0.87%	December 2019					23.03				24.17				729
				March 2020					23.15								
				June 2020					23.26								
				September 2020					23.38								
PIRAEUS	S BANK	(CR)															(Contract Size: 100 Securities, Physical Delivery
3.132	3.076	3.12	-0.38%	December 2019	3.13	3.15	3.09	3.12	3.12				3.20		152	1,668	29,566
				March 2020					3.15								
				June 2020					3.17								
				September 2020					3.18								
PPC (CR	)																(Contract Size: 100 Securities, Physical Delivery
3.202	3.14	3.202	1.65%	December 2019	3.15	3.23	3.15	3.21	3.21				3.28		46	260	15,852
				March 2020					3.17								
				June 2020					3.19								
				September 2020					3.20								
TERNA E	ENERGY	(CR)															(Contract Size: 100 Securities, Physical Delivery
7.39	7.16	7.39	2.78%	December 2019	7.28	7.30	7.20	7.30	7.30				8.17		4	22	4,893
				March 2020					7.24								
				June 2020					7.27								
				September 2020					7.31								
TITAN C	EMENT (	CB)															(Contract Size: 100 Securities, Physical Delivery
18.6	18.24	18.58	0.00%	December 2019					18.60				19.04				69
				March 2020					18.70								
				June 2020					18.79								
				September 2020	***				18.89								
VIOHAL	CO SA/N	V (CB)															(Contract Size: 100 Securities, Physical Delivery
3.67	3.61	3.635	-1.09%	December 2019	3.62	3.66	3.62	3.65	3.65				4.23		20	105	6,458
				March 2020					3.70								
				June 2020					3.72								
				September 2020					3.74								

## Derivatives notes

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Hellenic Exchanges – Athens Stock Exchange S.A.

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Thursday, 28 November, 2019

FTSE/Athex Large Cap

(Trade Unit: 1 Index Point x 2€ - Excercise Style: European, Cash Settlement)

FTSE/Atl	ion Lu	igo ot	40				С	all Option	ns															Put O	ptions					: Style: European, Casr	
				Decemb	per 2019						Januar	ry 2020			Other Month	s			Decem	ber 2019						Januar	y 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	Volume	Open Interest	Volume Open Int	erest Open price	Price max	Price mir	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	Excerise Price
1,450	0.00	0.00	0.00	-	811.00		-	-	-	-	-	-	-	-		0.00	0.00	0.00		0.01	-		-	-		-	-	-			1,450
1,475	0.00	0.00	0.00	-	786.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-	-	-		1,475
1,500	0.00	0.00	0.00		762.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-	-	-		1,500
1,525	0.00	0.00	0.00	-	737.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01		-	-	-	-	-	-	-	-		1,525
1,550	0.00	0.00	0.00	-	712.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01		-	-	-	-	-	-	-	-		1,550
1,575	0.00	0.00	0.00	-	687.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01		-	-	-	-	-	-	-	-		1,575
1,600	0.00	0.00	0.00		662.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-	-	-		1,600
1,625	0.00	0.00	0.00	-	637.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-	-	-		1,625
1,650	0.00	0.00	0.00	-	612.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-		-		1,650
1,675	0.00	0.00	0.00	-	587.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-	-	-		1,675
1,700	0.00	0.00	0.00	-	562.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-		-		1,700
1,725	0.00	0.00	0.00	-	537.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-	-	-		1,725
1,750	0.00	0.00	0.00	-	512.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-		-		1,750
1,775	0.00	0.00	0.00	-	487.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.03	-	-		-	-	-	-	-	-		1,775
1,800	0.00	0.00	0.00	-	462.00	-	-	-		-	-		-	-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-		-		1,800
1,825	0.00	0.00	0.00	-	437.00	-		-	-	-				-		0.00	0.00	0.00	-	0.02				-	-	-	-		-		1,825
1,850	0.00	0.00	0.00	-	412.00	-	•	-		-				-		0.00	0.00	0.00	-	0.01		-	-	-	-	-	-		-		1,850
1,875	0.00	0.00	0.00	-	387.00	-			-	-	-	-	-	-		0.00	0.00	0.00	-	0.02	-	-		-	-	-	-		-		1,875
1,900	0.00	0.00	0.00		362.00	-		-		-				-		0.00	0.00	0.00	-	0.04			-	-					-		1,900
1,925	0.00	0.00	0.00		337.00	-		0.00	0.00	0.00	-	341.00	-	-		0.00	0.00	0.00	-	0.01	-	-	0.00	0.00	0.00	-	0.52		-		1,925
1,950	0.00	0.00	0.00	-	312.00	-	•	0.00	0.00	0.00		316.00		-		0.00	0.00	0.00	-	0.02	-	-	0.00	0.00	0.00	-	0.88		-		1,950
1,975	0.00	0.00	0.00	-	287.00	-		0.00	0.00	0.00		292.00		-		0.00	0.00	0.00	-	0.04			0.00	0.00	0.00	-	1.50		-		1,975
2,000	0.00	0.00	0.00	-	262.00	-		0.00	0.00	0.00		268.00	-			0.00	0.00	0.00	-	0.11			0.00	0.00	0.00	-	2.30		-		2,000
2,050	0.00	0.00	0.00		213.00	-		0.00	0.00	0.00	-	221.00	-	-		0.00	0.00	0.00	-	0.57	-	165	0.00	0.00	0.00	-	5.30		-		2,050
2,100	0.00	0.00	0.00	-	165.00	-	63	0.00	0.00	0.00		177.00	-			0.00	0.00	0.00	-	2.20	-	124	0.00	0.00	0.00	-	11.00		-		2,100
2,150	0.00	0.00	0.00		119.00	-	8	0.00	0.00	0.00	-	136.00	-	141		7.40	0.00	7.20	7.20	7.20	50	514	20.25	20.25	20.25	20.25	20.25	20	80		2,150
2,200	0.00	0.00	0.00	-	79.50	-	16	80.50	80.50	80.50	80.50	80.50	20	-		19.25	0.00	13.00	13.00	13.00	61	365	33.50	33.50	33.50	33.50	33.50	20	140		2,200
2,250	46.00	48.00	46.00	48.00	48.00	2	279	0.00	0.00	0.00	-	71.50	-	-		34.25	48.00	32.75	32.75	32.75	60	55	65.00	65.00	60.00	60.00	60.00	20	40		2,250
2,300	17.00	25.00	17.00	25.00	25.00	43	336	37.00	37.00	37.00	37.00	37.00	3	22		69.00	25.00	69.00	69.00	69.00	5	1	89.00	89.00	89.00	89.00	89.00	60	61		2,300
2,350	0.00	0.00	0.00	-	12.25		26	0.00	0.00	0.00	-	31.25		20		0.00	0.00	0.00		99.50	-	20	117.00	117.00	117.00	117.00	117.00	20	-		2,350
2,400	0.00	0.00	0.00	-	5.10	-	-	0.00	0.00	0.00	-	19.25	-	-		0.00	0.00	0.00		142.00	-	-	0.00	0.00	0.00	-	153.00	-	-		2,400
2,450	0.00	0.00	0.00	-	1.80		-	0.00	0.00	0.00	-	11.25	-	-		0.00	0.00	0.00		189.00	-	-	0.00	0.00	0.00	-	195.00				2,450
2,500	0.00	0.00	0.00	-	0.58	-	-	0.00	0.00	0.00	-	6.20	-	-		0.00	0.00	0.00		238.00	-	-	0.00	0.00	0.00	-	240.00	-	-		2,500
	Totals:					45	728						23	183	0 0						176	1,244						140	321	0 0	-

Number of Trades:

ALPHA BANK (CR)		
	Call Options	Put Options

-				Dece	mber 2019				an optio			Januar	y 2020			Other Months				Decem	ber 2019				, at opti		January	2020			Other Months	
Excerise Price	Open price	Price max	Price	min Last price		ce Vo	lume C	pen Interest	Open price	Price max	Price min	Last price	Closing price V	Ope olume	en Interest	Volume Open Interest	Open price	Price max	Price m	in Last price	Closing price	Volume	Open Interest	Open price	Price P max		Last (	Closing price	Volume	Open Interest	Volume Open Interest	Excerise Price
0.600	0.000	0.000	0.00	0	1.27		-							-			0.000	0.000	0.000	)	0.001	-	-						-	-		0.006
0.650	0.000	0.000	0.00	0	1.22			-						-			0.000	0.000	0.000	)	0.001	-	-						-			0.007
0.700	0.000	0.000	0.00	0	1.17		-	-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.007
0.750	0.000	0.000	0.00	0	1.12		-	-						-			0.000	0.000	0.000	)	0.001	-	-							-		0.008
0.800	0.000	0.000	0.00	0	1.07		-	-						-			0.000	0.000	0.000	)	0.001	-	-						-	-		0.008
0.850	0.000	0.000	0.00	0	1.02			-						-	-		0.000	0.000	0.000	)	0.002	-	-						-	-		0.009
0.900	0.000	0.000	0.00	0	0.971			-						-	-		0.000	0.000	0.000	)	0.003	-	-						-	-		0.009
0.950	0.000	0.000	0.00	0	0.921		-	-						-			0.000	0.000	0.000	)	0.001	-	-						-	-		0.010
1.000	0.000	0.000	0.00	0	0.871			-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.010
1.100	0.000	0.000	0.00	0	0.771		-	-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.011
1.200	0.000	0.000	0.00	0	0.672		-	-	0.000	0.000	0.000		0.673	-	-		0.000	0.000	0.000	)	0.001	-	-	0.000	0.000	0.000		0.003				0.012
1.300	0.000	0.000	0.00	0	0.572		-	-	0.000	0.000	0.000		0.574	-	-		0.000	0.000	0.000	)	0.002	-	-	0.000	0.000	0.000		0.001	-	•		0.013
1.400	0.000	0.000	0.00	0	0.472		-	-	0.000	0.000	0.000		0.476	-	-		0.000	0.000	0.000	)	0.001	-	-	0.000	0.000	0.000		0.002				0.014
1.500	0.000	0.000	0.00	0	0.373		-	-	0.000	0.000	0.000		0.381	-	-		0.000	0.000	0.000	)	0.001	-	-	0.000	0.000	0.000		0.007	-	•		0.015
1.600	0.000	0.000	0.00	0	0.278		-	-	0.000	0.000	0.000		0.293	-	-		0.000	0.000	0.000	)	0.006	-	-	0.000	0.000	0.000		0.019	-	-		0.016
1.700	0.000	0.000	0.00	0	0.192		-	-	0.000	0.000	0.000		0.215	-	-		0.000	0.000	0.000	)	0.020	-	-	0.000	0.000	0.000		0.040	-	-		0.017
1.800	0.000	0.000	0.00	0	0.121		-	35	0.000	0.000	0.000		0.150	-	-		0.000	0.000	0.000	)	0.049	-	-	0.000	0.000	0.000		0.075				0.018
1.900	0.000	0.000	0.00	0	0.069		-	5	0.000	0.000	0.000		0.100	-	-		0.000	0.000	0.000	)	0.097	-	-	0.000	0.000	0.000		0.125	-	•		0.019
2.000	0.000	0.000	0.00	0	0.035		-	-	0.000	0.000	0.000		0.063	-	-		0.000	0.000	0.000	)	0.163	-	-	0.000	0.000	0.000		0.188				0.020
2.200	0.000	0.000	0.00	0	0.007		-	-	0.000	0.000	0.000		0.021	-			0.000	0.000	0.000	)	0.335	-	-	0.000	0.000	0.000		0.347	-	-		0.022
2.400	0.000	0.000	0.00	0	0.001		-	-	0.000	0.000	0.000		0.006				0.000	0.000	0.000	)	0.530	-	-	0.000	0.000	0.000		0.533		•		0.024
2.600	0.000	0.000	0.00	0	0.001		-	-	0.000	0.000	0.000		0.001	-			0.000	0.000	0.000	)	0.730	-	-	0.000	0.000	0.000		0.730	-	-		0.026
2.800	0.000	0.000	0.00	0	0.001		-	-	0.000	0.000	0.000		0.001	-	-		0.000	0.000	0.000	)	0.930	-	-	0.000	0.000	0.000		0.930	-	-		0.028
	Totals:						0	40						0	0	0 0						0	0						0	0	0 0	
	Number o	of Trades	S:					0						0		0							0.00							0	0	_

Thursday, 28 November, 2019

NATIONAL BANK (CR)

(Contract Size: 100 Securities, Excercise Style: American, Physical Delivery)

			,				(	Call Option	ns														Put Options						
				Decem	ber 2019						January 2020			Other Months				Deceml	per 2019					Janu	ary 2020			Other Months	
Excerise Price	Open price	Price max	Price mir	n Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last Closing price	j price Volur	Open Interest	Volume Open Inter	est Open price	Price max	Price mi	in Last price	Closing price	Volume	Open Interest	Open price	Price Price r max	nin Last price	Closing price	Volume	Open Interest	Volume Open Interes	t Excerise Price
0.650	0.000	0.000	0.000		2.41	-	-						-		0.000	0.000	0.000		0.002	-	-					-	-		0.007
0.700	0.000	0.000	0.000		2.36	-						-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.007
0.750	0.000	0.000	0.000		2.31	-						-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.008
0.800	0.000	0.000	0.000		2.26	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.008
0.850	0.000	0.000	0.000		2.21	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.009
0.900	0.000	0.000	0.000		2.16	-	-						-		0.000	0.000	0.000		0.001	-	-						-		0.009
0.950	0.000	0.000	0.000		2.11	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.010
1.000	0.000	0.000	0.000		2.06	-	-						-		0.000	0.000	0.000		0.001	-	-						-		0.010
1.100	0.000	0.000	0.000		1.96	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.011
1.200	0.000	0.000	0.000		1.86	-	-						-		0.000	0.000	0.000	1	0.001	-	-					-	-		0.012
1.300	0.000	0.000	0.000		1.76	-	-					-	-		0.000	0.000	0.000		0.002	-	-					-	-		0.013
1.400	0.000	0.000	0.000		1.66	-									0.000	0.000	0.000		0.001	-						-			0.014
1.500	0.000	0.000	0.000		1.56	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.015
1.600	0.000	0.000	0.000		1.46	-									0.000	0.000	0.000		0.001	-						-			0.016
1.700	0.000	0.000	0.000		1.36	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.017
1.800	0.000	0.000	0.000		1.26	-	-						-		0.000	0.000	0.000	1	0.001	-	-					-	-		0.018
1.900	0.000	0.000	0.000		1.16	-	-	0.000	0.000	0.000	1.1	7 -	-		0.000	0.000	0.000		0.001	-	-	0.000	0.000 0.00	0	0.001	-	-		0.019
2.000	0.000	0.000	0.000		1.06	-		0.000	0.000	0.000	1.0				0.000	0.000	0.000		0.001	-		0.000	0.000 0.00	0	0.001	-			0.020
2.200	0.000	0.000	0.000		0.863	-	-	0.000	0.000	0.000	0.8	69 -	-		0.000	0.000	0.000		0.002	-	-	0.000	0.000 0.00	0	0.003	-	-		0.022
2.400	0.000	0.000	0.000		0.664	-	-	0.000	0.000	0.000	0.6	79 -	-		0.000	0.000	0.000		0.001	-	-	0.000	0.000 0.00	0	0.013	-	-		0.024
2.600	0.000	0.000	0.000		0.472	-	-	0.000	0.000	0.000	0.5	05 -	60		0.000	0.000	0.000		0.009	-	550	0.000	0.000 0.00	0	0.037	-	-		0.026
2.800	0.000	0.000	0.000		0.299	-	5	0.000	0.000	0.000	0.3	53 -	-		0.000	0.000	0.000		0.036	-	-	0.000	0.000 0.00	0	0.085	-	-		0.028
3.000	0.000	0.000	0.000		0.165	-	-	0.000	0.000	0.000	0.2	33 -	-		0.000	0.000	0.000		0.102	-	-	0.000	0.000 0.00	0	0.165	-	-		0.030
3.200	0.000	0.000	0.000		0.078	-	21	0.000	0.000	0.000	0.1	43 -	-		0.000	0.000	0.000		0.215	-	-	0.000	0.000 0.00	0	0.275	-	-		0.032
3.400	0.000	0.000	0.000		0.031	-	-	0.000	0.000	0.000	0.0	84 -	-		0.000	0.000	0.000		0.368	-	-	0.000	0.000 0.00	0	0.416	-	-		0.034
3.600	0.000	0.000	0.000		0.011	-	-	0.000	0.000	0.000	0.0	47 -	-		0.000	0.000	0.000		0.548	-	-	0.000	0.000 0.00	0	0.579		-		0.036
3.800	0.000	0.000	0.000		0.003	-	-	0.000	0.000	0.000	0.0	25 -	-		0.000	0.000	0.000		0.741	-	-	0.000	0.000 0.00	0	0.758		-		0.038
4.000	0.000	0.000	0.000		0.001	-	•	0.000	0.000	0.000	0.0	12 -			0.000	0.000	0.000		0.940	-	-	0.000	0.000 0.00	0	0.946		-		0.040
4.400	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000	0.0	03 -	-	_	0.000	0.000	0.000		1.34	-	-	0.000	0.000 0.00	0	1.34	-	-		0.044
	Totals:					0	26					0	60	0 0						0	550					0	0	0 0	

0.00

Number of Trades:

Thursday, 28 November, 2019

OPAP (CR)

							C	all Optio	ns															Put 0	ptions						
				Decem	ber 2019						Januar	y 2020			Other Months				Decem	ber 2019						Januar	y 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	Volume C	)pen 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	Volume Open Interest	Excerise Price
5.600	0.000	0.000	0.000		4.81	-	-						-			0.000	0.000	0.000		0.008		-						-		-	0.056
6.000	0.000	0.000	0.000		4.41	-	-						-	-		0.000	0.000	0.000		0.002		-						-	-		0.060
6.400	0.000	0.000	0.000		4.01	-	-						-	-		0.000	0.000	0.000		0.001	-	-						-	-		0.064
6.800	0.000	0.000	0.000		3.61	-	-						-	-		0.000	0.000	0.000		0.001		-						-	-		0.068
7.200	0.000	0.000	0.000		3.21	-	-						-	-		0.000	0.000	0.000		0.001	-	-						-	-		0.072
7.600	0.000	0.000	0.000		2.81	-	-	0.000	0.000	0.000		2.82	-	-		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		2.41	-	-	0.000	0.000	0.000		2.42	-	-		0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000		0.001	-	-		0.080
8.400	0.000	0.000	0.000		2.01		-	0.000	0.000	0.000		2.02		-		0.000	0.000	0.000		0.001		-	0.000	0.000	0.000		0.001	-	-		0.084
8.800	0.000	0.000	0.000		1.61	-	-	0.000	0.000	0.000		1.63	-	-		0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000		0.003	-	-		0.088
9.200	0.000	0.000	0.000		1.21	-	-	0.000	0.000	0.000		1.24		-		0.010	0.010	0.010	0.010	0.010	5	10	0.000	0.000	0.000		0.015	-	-		0.092
9.600	0.000	0.000	0.000		0.829	-	5	0.000	0.000	0.000		0.880	-	-		0.000	0.000	0.000		0.017	-	3	0.000	0.000	0.000		0.053	-	-		0.096
10.000	0.000	0.000	0.000		0.490		1	0.000	0.000	0.000		0.569		-		0.000	0.000	0.000		0.078			0.000	0.000	0.000		0.141		-		0.100
11.000	0.000	0.000	0.000		0.051	-	-	0.000	0.000	0.000		0.116		-		0.000	0.000	0.000		0.641		-	0.000	0.000	0.000		0.691	-	-		0.110
12.000	0.000	0.000	0.000		0.001		-	0.101	0.101	0.101	0.101	0.101	1	-		0.000	0.000	0.000		1.60			0.000	0.000	0.000		1.60		-		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		2.60	-		0.000	0.000	0.000		2.60	-			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		3.60			0.000	0.000	0.000		3.60		-		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		4.60	-	-	0.000	0.000	0.000		4.60				0.150
	Totals:					0	6						1	0	0 0						0	13						0	0	0 0	-
	Number of	of Trades	:				0							1	0							1.00							0	0	

Section 7: Stock Options

Year: 140 Trading Day No: 227 Thursday, 28 November, 2019

OTE (CR)

OTE (CI	• ,						C	all Optio	ns													Put O	otions					•	,
			ı	Decembe	r 2019						January 2020			Other Months				December 2019						January	<i>j</i> 2020			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 Closing price	g price Volume	Open Interest	Volume Open Interest	Open price	Price max	Price min	Last Closing p	rice Volume	Open Interest	Open price	Price max	Price min	Last price	Closing price	Volume O	pen Interest	Volume Open Inter	est Excerise Price
7.600	0.000	0.000	0.000		6.18	-	-					-	-	-	0.000	0.000	0.000	0.004	-	-						-	-		0.076
8.000	0.000	0.000	0.000		5.78	-							-		0.000	0.000	0.000	0.001		-									0.080
8.400	0.000	0.000	0.000		5.38	-						-			0.000	0.000	0.000	0.001		-									0.084
8.800	0.000	0.000	0.000		4.98	-									0.000	0.000	0.000	0.001		-									0.088
9.200	0.000	0.000	0.000		4.58	-		0.000	0.000	0.000	4.6	- 50			0.000	0.000	0.000	0.001		-	0.000	0.000	0.000		0.001				0.092
9.600	0.000	0.000	0.000		4.18	-		0.000	0.000	0.000	4.2	20 -			0.000	0.000	0.000	0.001			0.000	0.000	0.000		0.001		-		0.096
10.000	0.000	0.000	0.000		3.78	-		0.000	0.000	0.000	3.8	30 -			0.000	0.000	0.000	0.001		-	0.000	0.000	0.000		0.001				0.100
11.000	0.000	0.000	0.000		2.78	-		0.000	0.000	0.000	2.8	30 -			0.000	0.000	0.000	0.001		-	0.000	0.000	0.000		0.003				0.110
12.000	0.000	0.000	0.000		1.79	-		0.000	0.000	0.000	1.8	31 -			0.000	0.000	0.000	0.001		-	0.000	0.000	0.000		0.003				0.120
13.000	0.000	0.000	0.000		0.802	-		0.000	0.000	0.000	0.8	78 -			0.000	0.000	0.000	0.016	-	71	0.000	0.000	0.000		0.072				0.130
14.000	0.000	0.000	0.000		0.130	-	82	0.000	0.000	0.000	0.2	53 -	31		0.000	0.000	0.000	0.345	-	-	0.000	0.000	0.000		0.448		-		0.140
15.000	0.000	0.000	0.000		0.003	-	40	0.000	0.000	0.000	0.0	36 -			0.000	0.000	0.000	1.23		-	0.000	0.000	0.000		1.24				0.150
16.000	0.000	0.000	0.000		0.001		-	0.000	0.000	0.000	0.0	02 -	-		0.000	0.000	0.000	2.23		-	0.000	0.000	0.000		2.23		-		0.160
17.000	0.000	0.000	0.000		0.001	-		0.000	0.000	0.000	0.0	01 -	-		0.000	0.000	0.000	3.23		-	0.000	0.000	0.000		3.23		-		0.170
18.000	0.000	0.000	0.000		0.001		-	0.000	0.000	0.000	0.0	01 -	-		0.000	0.000	0.000	4.23		-	0.000	0.000	0.000		4.23		-		0.180
19.000	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000	0.0	01 -	-		0.000	0.000	0.000	5.23		-	0.000	0.000	0.000		5.23	-			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: 227 Thursday, 28 November, 2019

PIRAEUS BANK (CR)		
	Call Options	Put Options

				Decemb	or 2010			Call Optio	113		January	, 2020		Other Months				Decemb	or 2010				Put Options	lanua	ry 2020			Other Months	
Excerise	Open	Drico			Closing price		Onon Interes	d Open	Price	Drice min			Open Interes		Open	Drico	Price min				Open Interest	Open	Price Price min		•		Onen Interest	-	Excerise
Price	price	max	Price min	price	Closing price	Volume	Open Interes	t Open price	max	Price min	price	Closing price V	Open Interes	t Open Interest	price	max	Price min	price	Closing price	Volume	Open Interest	price	max Price min	price	Closing price	Volume	Open Interest	Volume Open Interest	Price
0.300	0.000	0.000	0.000		2.83	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.003
0.350	0.000	0.000	0.000		2.78		-								0.000	0.000	0.000		0.001	-							-		0.004
0.400	0.000	0.000	0.000		2.73	-	-								0.000	0.000	0.000		0.001	-						-	-		0.004
0.450	0.000	0.000	0.000		2.68	-	-								0.000	0.000	0.000		0.001	-						-	-		0.005
0.500	0.000	0.000	0.000		2.63	-	-								0.000	0.000	0.000		0.001	-						-	-		0.005
0.550	0.000	0.000	0.000		2.58	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.006
0.600	0.000	0.000	0.000		2.53	-	-								0.000	0.000	0.000		0.002	-	-					-	-		0.006
0.650	0.000	0.000	0.000		2.48	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.007
0.700	0.000	0.000	0.000		2.43	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.007
0.750	0.000	0.000	0.000		2.38	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.008
0.800	0.000	0.000	0.000		2.33	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.008
0.850	0.000	0.000	0.000		2.28	-	-								0.000	0.000	0.000		0.001	-						-	-		0.009
0.900	0.000	0.000	0.000		2.23	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.009
0.950	0.000	0.000	0.000		2.18	-	-								0.000	0.000	0.000		0.001	-						-	-		0.010
1.000	0.000	0.000	0.000		2.13	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.010
1.100	0.000	0.000	0.000		2.03	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.011
1.200	0.000	0.000	0.000		1.93	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.012
1.300	0.000	0.000	0.000		1.83	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.013
1.400	0.000	0.000	0.000		1.73	-	-								0.000	0.000	0.000		0.002	-	-					-	-		0.014
1.500	0.000	0.000	0.000		1.63	-	-								0.000	0.000	0.000		0.001	-						-	-		0.015
1.600	0.000	0.000	0.000		1.53	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.016
1.700	0.000	0.000	0.000		1.43	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.017
1.800	0.000	0.000	0.000		1.33	-	-								0.000	0.000	0.000		0.001	-	-					-	-		0.018
1.900	0.000	0.000	0.000		1.23	-	-	0.000	0.000	0.000		1.24			0.000	0.000	0.000		0.001	-	-	0.000	0.000 0.000		0.003	-	-		0.019
2.000	0.000	0.000	0.000		1.13	-	-	0.000	0.000	0.000		1.14	-		0.000	0.000	0.000		0.001	-	-	0.000	0.000 0.000		0.001	-	-		0.020
2.200	0.000	0.000	0.000		0.933	-	-	0.000	0.000	0.000		0.938			0.000	0.000	0.000		0.004	-	-	0.000	0.000 0.000		0.002	-	-		0.022
2.400	0.000	0.000	0.000		0.733	-	-	0.000	0.000	0.000		0.745			0.000	0.000	0.000		0.001	-	-	0.000	0.000 0.000		0.009	-	-		0.024
2.600	0.000	0.000	0.000		0.537	-	-	0.000	0.000	0.000		0.564			0.000	0.000	0.000		0.004	-	-	0.000	0.000 0.000		0.027	-	-		0.026
2.800	0.000	0.000	0.000		0.355	-	-	0.000	0.000	0.000		0.405	- 70		0.000	0.000	0.000		0.021	-	-	0.000	0.000 0.000		0.068	-	-		0.028
3.000	0.000	0.000	0.000		0.205	-	1	0.000	0.000	0.000		0.273	- 2		0.000	0.000	0.000		0.071	-	-	0.000	0.000 0.000		0.135	-	-		0.030
3.200	0.000	0.000	0.000		0.100	-	3	0.000	0.000	0.000		0.175			0.000	0.000	0.000		0.167	-	-	0.000	0.000 0.000		0.237	-	-		0.032
3.400	0.000	0.000	0.000		0.041	-	-	0.000	0.000	0.000		0.104			0.000	0.000	0.000		0.308	-		0.000	0.000 0.000		0.366	-	-		0.034
3.600	0.000	0.000	0.000		0.014	-	-	0.000	0.000	0.000		0.059			0.000	0.000	0.000		0.481	-	-	0.000	0.000 0.000		0.521	-	-		0.036
3.800	0.000	0.000	0.000		0.004	-	-	0.000	0.000	0.000		0.032			0.000	0.000	0.000		0.672	-	-	0.000	0.000 0.000		0.694	-	-		0.038
4.000	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000		0.016			0.000	0.000	0.000		0.870	-	-	0.000	0.000 0.000		0.880	-	-		0.040
4.400	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000		0.004			0.000	0.000	0.000		1.27	-	-	0.000	0.000 0.000		1.27	-	-		0.044

Daily Official List

Year: 140 Trading Day No: 227

Section 7: Stock Options

Thursday, 28 November, 2019

PIRAEU	IS BAN	K (CR	)																									(Cor	ntract Size: 1	00 Securi	ties, Excercise	Style: /	American, Phys	ical Delivery)
								Call Optio	ns																	Put 0	Options							
				Decem	ber 2019					January :	2020			Otl	ner Months					Decem	ber 2019	9						Janua	ry 2020			Ot	her Months	
Excerise Price	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interes	t Open price	Price F max	Last C price	losing price	Volume	Open Interes	t Volun	Open Inte		Open price	Price max	Price min	Last price	Closing	price Vo	lume	Open Interest	Open price	Price max	Price min	Last price	Closing pri	.e Volume	Open Interest	Volum	Open Interest e	Excerise Price
	Totals:					0	4					0	72	0	0	-							0	0	-					0	50	0	0	-
	Number o	of Trades	:				0						0		0									0.00							0		0	

Year: 140 Trading Day No: 227 Section 7: Stock Options Thursday, 28 November, 2019

PPC (CR)

								Call Option	ons														Put Optio	ns						
-				Decem	ber 2019						January 20			Other Months	-			Decemb	per 2019					J	anuary 2020			Other Mo	nths	
Excerise Price	Open price	Price max	Price min	Last price	Closing price	Volum	Open Interest	Open price	Price max	Price min	Last Clos price	sing price Volur	Open Intere	st Volume Open Interest	Open price	Price max	Price min	n Last price	Closing price	Volume	Open Interest	Open price	Price Pri max		ast Closing price	Volume	Open Interest	Volume Ope	n Interest E	Excerise Price
0.900	0.000	0.000	0.000		2.25	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-	-		0.009
0.950	0.000	0.000	0.000		2.20	-	-						-		0.000	0.000	0.000		0.001							-	-			0.010
1.000	0.000	0.000	0.000		2.15	-	-						-		0.000	0.000	0.000		0.001		-					-	-			0.010
1.100	0.000	0.000	0.000		2.05	-	-						-		0.000	0.000	0.000		0.001							-	-			0.011
1.200	0.000	0.000	0.000		1.95	-	-						-		0.000	0.000	0.000		0.001		-					-	-			0.012
1.300	0.000	0.000	0.000		1.85	-	-						-		0.000	0.000	0.000		0.001							-	-			0.013
1.400	0.000	0.000	0.000		1.75	-	-						-		0.000	0.000	0.000		0.001		-					-	-			0.014
1.500	0.000	0.000	0.000		1.65	-	-						-		0.000	0.000	0.000		0.001							-	-			0.015
1.600	0.000	0.000	0.000		1.55	-	-						-		0.000	0.000	0.000		0.001		-					-	-			0.016
1.700	0.000	0.000	0.000		1.45	-	-						-		0.000	0.000	0.000		0.001		-					-				0.017
1.800	0.000	0.000	0.000		1.35	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-			0.018
1.900	0.000	0.000	0.000		1.25	-	-						-		0.000	0.000	0.000		0.001		-					-	-			0.019
2.000	0.000	0.000	0.000		1.15	-	-	0.000	0.000	0.000		1.16 -	-		0.000	0.000	0.000		0.001		-	0.000	0.000 0	000	0.001	-	-			0.020
2.200	0.000	0.000	0.000		0.953	-	-	0.000	0.000	0.000	C	0.958 -	-		0.000	0.000	0.000		0.001		-	0.000	0.000 0	000	0.002	-				0.022
2.400	0.000	0.000	0.000		0.754	-	-	0.000	0.000	0.000	C	0.766 -	-		0.000	0.000	0.000		0.001		-	0.000	0.000 0	000	0.009	-	-			0.024
2.600	0.000	0.000	0.000		0.558	-	-	0.000	0.000	0.000	C	0.584 -	-		0.000	0.000	0.000		0.004		-	0.000	0.000 0	000	0.027	-				0.026
2.800	0.000	0.000	0.000		0.375	-	-	0.000	0.000	0.000	C	0.425 -	-		0.000	0.000	0.000		0.021	-	11	0.000	0.000 0	000	0.067	-	-			0.028
3.000	0.000	0.000	0.000		0.223	-	11	0.000	0.000	0.000	C	0.290 -	-		0.000	0.000	0.000		0.069		31	0.000	0.000 0	000	0.132	-	-			0.030
3.200	0.000	0.000	0.000		0.115	-	11	0.000	0.000	0.000	C	0.189 -	-		0.000	0.000	0.000		0.161		-	0.000	0.000 0	000	0.231	-	-			0.032
3.400	0.000	0.000	0.000		0.051	-	30	0.000	0.000	0.000	C	0.116 -	5		0.000	0.000	0.000		0.297		-	0.000	0.000 0	000	0.358	-	-			0.034
3.600	0.000	0.000	0.000		0.019	-	5	0.000	0.000	0.000	C	0.067 -	-		0.000	0.000	0.000		0.466	-	-	0.000	0.000 0	000	0.509	-	-			0.036
3.800	0.000	0.000	0.000		0.006	-	-	0.000	0.000	0.000	C	0.037 -	-		0.000	0.000	0.000		0.653			0.000	0.000 0	000	0.679	-	-			0.038
4.000	0.000	0.000	0.000		0.002	-	-	0.000	0.000	0.000	C	0.020 -	-		0.000	0.000	0.000		0.850		-	0.000	0.000 0	000	0.863		-			0.040
4.400	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000	C	0.005 -	-		0.000	0.000	0.000		1.25			0.000	0.000 0	000	1.25	-	-			0.044
	Totals:					0	57					0	5	0 0						0	42					0	20	0	0	
	Number o	of Trades:					0						0	0							0.00						0	0		

Thursday, 28 November, 2019

			Ми	ultilateral Tran	nsactions[1]		Bilateral	Fransactions[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
ADMIEBOR	ADMIE (IPTO) HOLDING S.A. (CR)								115,644
AEGNBOR	AEGEAN AIRLINES (CR)				600	4.17%			11,211
ALPHABOR	ALPHA BANK (CR)	23,000							43,326,468
ALMYBOR	ALUMIL (CR)								
TATTBOR	ATTICA BANK S.A. (CR)								370
EEEBOR	CC HBC AG (CR)				1,559	5.31%			70,546
CENERBOR	CENERGY HOLDINGS (CB)								
ELLAKTORBOR	ELLAKTOR (CR)	150							198,398
EUROBBOR	EUROBANK ERGASIAS (CR)	34,182							57,716,517
EYDAPBOR	EYDAP S.A. (CR)	850							232,781
FFGRPBOR	FOLLI FOLLIE (CR)								1,120,847
FOYRKBOR	FOURLIS (CR)	500			800	3.66%			4,650
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)						***		56,983
INTRKBOR	INTRACOM HOLDINGS (CR)								
INLOTBOR	INTRALOT (CR)								464,512
BELABOR	JUMBO SA (CR)	8,165					***		78,098
LAMDABOR	LAMDA DEVELOPMENT SA (CR)						***		5,000
MIGBOR	MARFIN INVESTMENT GROUP (CR)						***		1,659,474
MOHBOR	MOTOR OIL (CR)	4,900					***		10,420
MYTILBOR	MYTILINEOS (CR)						***		25,817
ETEBOR	NATIONAL BANK (CR)	5,000			2,019	3.29%	***		22,296,553
OPAPBOR	OPAP (CR)	3,000			1,083	2.65%			1,697,606
HTOBOR	OTE (CR)	11,526							1,078,798
PPABOR	P.P.A. S.A. (CR)	115							2,901
TPEIRBOR	PIRAEUS BANK (CR)						***		23,372,886
PLAISBOR	PLAISIO COMPUTERS SA (CR)								1,000
PPCBOR	PPC (CR)	15,000						***	6,776,019
QUALBOR	QUALITY & RELIABILITY SA (CR)								

## 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.

Section 7, 1/2

Daily Official List

Year: 140 Trading Day No: 227

Section 7: Stock Lending Analytic Figures

Thursday, 28 November, 2019

			M	ultilateral Trar	nsactions[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)								9,207
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.

Section 7, 2/2

Daily Official ListYear: 140 Trading Day No: 227Appendix A: Sectors codification for listed companiesThursday, 28 November, 2019

## Sectors codification for listed companies

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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		

