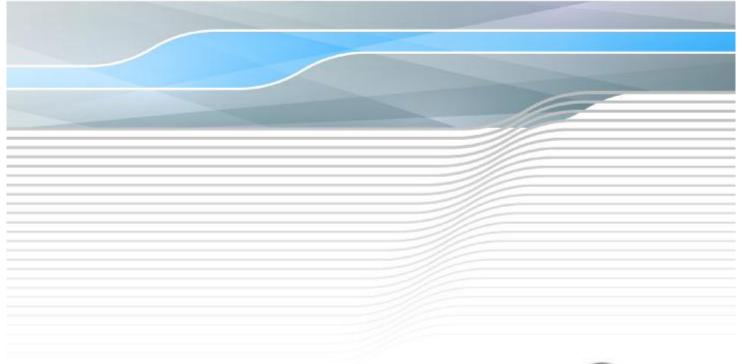
## Hellenic Exchanges – Athens Stock Exchange S.A.

# Ημερήσιο Δελτίο Συναλλακτικής Δραστηριότητας Daily Official List of Trading Activity

Friday, 22 November, 2019 Year: 140 Trading Day No: 223





Daily Official List

Year: 140 Trading Day No: 223

Friday, 22 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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Stock Options

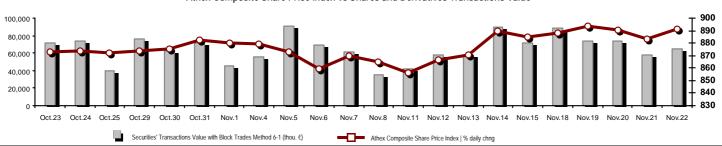
Stock Lending Analytic Figures

Appendix A: Sectors codification for listed companies

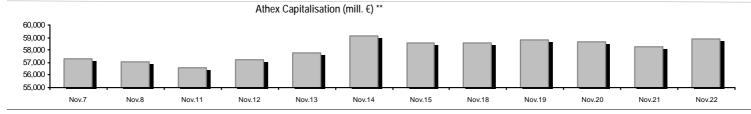
Section codification follows the corresponding from the Greek version of Daily Official List for reference purposes.

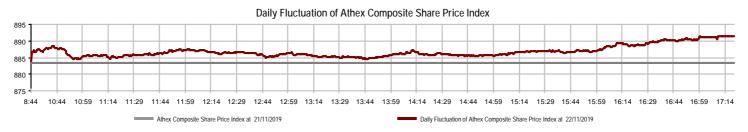
### **Summary of Markets**

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



Athex Capitalisation (mill. €) **:	58,891.21		Derivatives Total Open Interest	383,584	
Daily change: mill. €   %	609.87	1.05%	in Index Futures   % daily chng	11,091	-0.09%
Yearly Avg Capitalisation: mill. $\in $ % chng prev year Avg	54,120.91	3.82%	in Stock Futures   % daily chng	369,289	0.70%
Athex Composite Share Price Index   % daily chng	891.30	0.90%	in Index Options   % daily chng	2,008	1.67%
Athex Composite Share Price Index Capitalisation (mill. $\in$ ) Daily change (mill. $\in$ )	53,888.50 588.39		in Stock Options   % daily chng	1,196	0.00%
Securities' Transactions Value with Block Trades Method 6-1 (	65,032.97		Derivatives Contracts Volume:	13,993	
Daily change: %	7,524.22	13.08%	Daily change: pieces   %	-5,211	-27.13%
YtD Avg Trans. Value: thou. $\in$   % chng prev year Avg	65,604.51	19.45%	YtD Avg Derivatives Contracts % chng prev year Avg	41,385	-26.11%
Blocks Transactions Value of Method 6-1 (thou. €)	2,586.00		Derivatives Trades Number:	1,677	
Blocks Transactions Value of Method 6-2 & 6-3 (thou. €)	0.00		Daily change: number   %	-127	-7.04%
Bonds Transactions Value (thou.€)	1,127.59		YtD Avg Trades number % chng prev year Avg	2,875	6.03%
Securities' Transactions Volume with Block Trades Method 6-1 (	th 20,393.	31	Lending Total Open Interest	116,739	
Daily change: thou. pieces   %	-288.08	-1.39%	Daily change: pieces   %	-70,600	-37.69%
YtD Avg Volume: % chng prev year Avg	32,779.42	-11.77%	Lending Volume (Multilateral/Bilateral)	9,500	
Blocks Transactions Volume of Method 6-1 (thou. Pieces)	355.00		Daily change: pieces   %	-3,900	
Blocks Transactions Volume of Method 6-2 & 6-3 (thou. Pieces	0.00				
Bonds Transactions Volume	1,102,728		Multilateral Lending	500	
			Bilateral Lending	9,000	
Securities' Trades Number with Block Trades Method 6-1	31,357		Lending Trades Number:	4	100.00%
Daily change: number   %	3,220	11.44%	Daily change: %	2	
YtD Avg Trades number % chng prev year Avg	27,352	34.54%	Multilateral Lending Trades Number	2	
Number of Blocks Method 6-1	4		·	2	
Number of Blocks Method 6-2 & 6-3	0		Bilateral Lending Trades Number	2	
Number of Bonds Transactions	69				





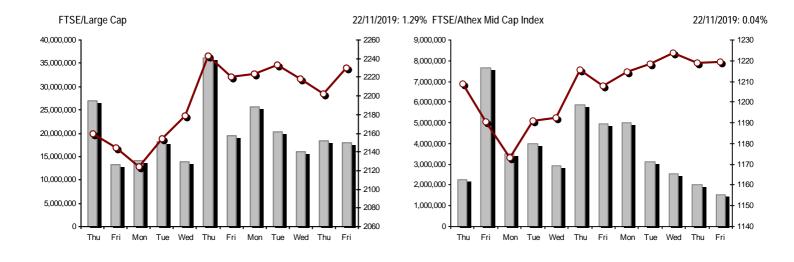
Friday, 22 November, 2019

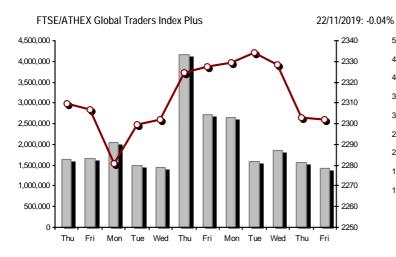
Athex Indices									
Index name	22/11/2019	21/11/2019	pts.	%	Min	Max	Year min	Year max	Year change
Athex Composite Share Price Index	891.30 #	883.39	7.91	0.90%	883.39	891.55	600.12	901.57	45.33% #
FTSE/Athex Large Cap	2,230.21 #	2,201.84	28.37	1.29%	2,201.84	2,230.21	1,580.73	2,270.46	38.66% #
FTSE/Athex Mid Cap Index	1,219.27 #	1,218.82	0.45	0.04%	1,213.90	1,227.93	945.49	1,467.88	25.04% #
FTSE/ATHEX-CSE Banking Index	681.73 #	667.19	14.54	2.18%	662.68	681.73	275.15	699.47	104.88% #
FTSE/ATHEX Global Traders Index Plus	2,302.10 Œ	2,303.04	-0.94	-0.04%	2,301.72	2,315.50	1,947.04	2,479.89	15.42% #
FTSE/ATHEX Global Traders Index	2,441.30 #	2,439.17	2.13	0.09%	2,436.54	2,450.16	1,866.67	2,517.12	28.67% #
FTSE/ATHEX Mid & Small Cap Factor-Weighted Ind	2,908.29 #	2,891.04	17.25	0.60%	2,885.46	2,923.40	2,173.67	2,923.40	31.29% #
ATHEX Mid & SmallCap Price Index	5,800.76 #	5,789.01	11.75	0.20%	5,771.88	5,804.85	3,914.71	5,994.42	46.41% #
FTSE/Athex Market Index	552.64 #	545.76	6.88	1.26%	545.76	552.66	392.32	563.60	38.45% #
FTSE Med Index	4,913.66 Œ	4,932.65	-18.99	-0.38%			3,966.78	4,969.14	23.93% #
Athex Composite Index Total Return Index	1,452.97 #	1,440.07	12.90	0.90%	1,440.07	1,453.39	952.47	1,466.98	49.27% #
FTSE/Athex Large Cap Total Return	3,296.27 #	3,254.34	41.93	1.29%			2,321.35	3,347.07	40.86% #
FTSE/ATHEX Large Cap Net Total Return	1,011.71 #	998.84	12.87	1.29%	998.84	1,011.71	692.89	1,027.12	43.50% #
FTSE/Athex Mid Cap Total Return	1,486.30 #	1,484.72	1.58	0.11%			1,180.35	1,784.30	23.50% #
FTSE/ATHEX-CSE Banking Total Return Index	595.87 #	583.16	12.71	2.18%			265.40	605.55	90.09% #
Hellenic Mid & Small Cap Index	1,201.34 #	1,199.03	2.31	0.19%	1,196.51	1,202.14	884.70	1,269.98	32.50% #
FTSE/Athex Banks	900.73 #	881.52	19.21	2.18%	875.55	900.73	363.54	924.17	104.88% #
FTSE/Athex Financial Services	992.07 #	984.42	7.65	0.78%	982.65	995.23	744.92	1,191.69	27.15% #
FTSE/Athex Industrial Goods & Services	2,590.54 #	2,583.86	6.68	0.26%	2,582.99	2,604.32	1,884.26	2,967.88	35.67% #
FTSE/Athex Retail	73.60 ¬	73.60	0.00	0.00%	72.09	73.60	58.44	82.89	22.85% #
FTSE/ATHEX Real Estate	4,893.12 Œ	5,019.94	-126.82	-2.53%	4,736.12	5,019.94	2,928.70	6,158.58	62.02% #
FTSE/Athex Personal & Household Goods	9,386.54 Œ	9,487.22	-100.68	-1.06%	9,386.54	9,592.97	6,649.54	9,943.56	36.46% #
FTSE/Athex Food & Beverage	10,793.25 #	10,544.52	248.73	2.36%	10,544.52	10,844.43	10,000.70	13,120.06	6.75% #
FTSE/Athex Basic Resources	6,594.29 #	6,569.72	24.57	0.37%	6,420.18	6,700.69	3,146.82	11,171.70	101.00% #
FTSE/Athex Construction & Materials	2,969.73 #	2,943.82	25.91	0.88%	2,933.94	2,969.95	2,437.75	3,183.37	15.00% #
FTSE/Athex Oil & Gas	5,197.83 #	5,167.38	30.45	0.59%	5,164.30	5,234.45	4,612.01	5,758.60	6.95% #
FTSE/Athex Chemicals	8,925.17 Œ	8,949.28	-24.11	-0.27%	8,756.56	8,978.91	7,722.79	11,217.47	9.17% #
FTSE/Athex Travel & Leisure	1,718.47 #	1,695.22	23.25	1.37%	1,690.20	1,722.56	1,309.57	1,754.14	29.89% #
FTSE/Athex Technology	885.79 #	885.73	0.06	0.01%	878.73	891.88	692.80	1,087.14	24.90% #
FTSE/Athex Telecommunications	3,820.57 #	3,798.55	22.02	0.58%	3,798.55	3,834.33	2,614.94	3,845.34	45.80% #
FTSE/Athex Utilities	2,852.04 #	2,832.21	19.83	0.70%	2,827.22	2,861.43	1,729.19	2,923.15	62.14% #
FTSE/Athex Health Care	484.89 Œ	500.02	-15.13	-3.03%	484.89	500.02	460.82	512.40	-4.21% Œ
Athex All Share Index	207.36 #	205.19	2.17	1.06%	207.36	207.36	157.01	215.26	31.22% #
Hellenic Corporate Bond Index	121.09 Œ	121.22	-0.13	-0.11%			116.31	121.33	4.08% #
Hellenic Corporate Bond Price Index	96.69 Œ	96.80	-0.11	-0.12%			95.04	97.19	0.94% #
N. 4 5705 M. 1400 H. H. L. O									

Note 1: FTSE/Med 100, Hellenic Corporate Bond Price Index and Hellenic Corporate Bond Index closing prices refer to the previous trading day of 20/11/2019.

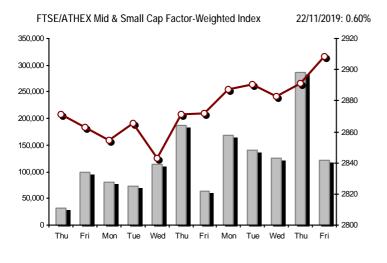
Note 2: The Hellenic Mid & Small Cap Index is a Customized index calculated by the Athens Exchange.

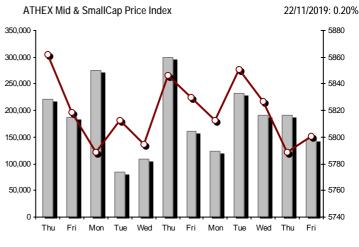
#### Athex Indices











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	120	104	16	0	
Gain / Lose / Same:	61 / 32 / 27	57 / 25 / 22	4/7/5	0/0/0	
Athex Capitalisation (mill. €) **	58,891.21	58,589.87	301.34		
Daily Average Trans/ons Value(thou.€)	65,604.51	65,581.26	52.72	42.32	
Transactions Value	65,032.97	64,997.76	35.22	0.00	
Main Board:	62,446.97	62,411.76	35.22	0.00	
Blocks Board 6_2_3:	2,586.00	2,586.00	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	32,779,415	32,432,275	376,155	1,933	
Transactions Volume	20,393,312	20,153,331	239,981	0	
Main Board:	20,038,312	19,798,331	239,981	0	
Blocks Board 6_2_3:	355,000	355,000	0	0	
Forced Sales Board:	0	0	0	0	
Special Terms Board:	0	0	0	0	
Daily Average Number of Trades	27,352	27,202	148	3	
Number of Trades	31,357	31,240	117	0	
Main Board:	31,353	31,236	117	0	
Blocks Board 6_2_3:	4	4	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	4/2/0	14,051	14,098,557	23,852,285.09	36.68%
5510 -	- Basic Resources	5/5/4	358	204,923	201,761.48	0.31%
5010 -	- Construction & Materials	6/2/5	1,299	568,133	1,438,408.47	2.21%
4020 -	- Consumer Products & Services	2/2/3	1,721	291,559	3,974,090.89	6.11%
6010 -	- Energy	3/0/0	1,046	107,374	2,066,055.94	3.18%
12000 -	- Financial Instruments	0/0/0				
3020 -	- Financial Services	3/0/0	421	825,694	277,284.36	0.43%
4510 -	Food Beverage & Tobacco	6/0/4	608	261,600	2,480,970.71	3.81%
2010 -	- Health Care	0 / 4 / 0	59	9,874	18,523.35	0.03%
5020 -	- Industrial Goods & Service	10 / 6 / 4	1,445	466,683	2,280,057.23	3.51%
3030 -	- Insurance	0/1/0	133	15,097	74,288.45	0.11%
4030 -	- Media	0/1/0	7	5,910	1,373.04	0.00%
4520 -	Personal Care, Drug & Grocery Stores	1/2/0	182	40,878	265,459.65	0.41%
3510 -	- Real Estate	4/3/2	1,685	811,889	6,084,316.57	9.36%
4040 -	- Retail	3/1/1	389	122,106	367,805.76	0.57%
1010 -	- Technology	3/1/1	562	95,472	222,818.55	0.34%
1510 -	- Telecommunications	3/2/0	1,992	550,875	7,404,196.42	11.39%
4050 -	- Travel & Leisure	4/0/2	4,034	1,477,571	11,982,256.33	18.42%
6510 -	- Utilities	4/0/1	1,365	439,117	2,041,021.17	3.14%

## Top 10 best & worst performing Shares

		Mair	n M	larket			
With positive Price change	Closing price	change	١	With negative Price change	Closing price	change	
VARVERIS - MODA BAGNO SA (CR)	0.65	14.03% #	# N	MLS MULTIMEDIA SA (CR)	1.51	-6.79% (	Œ
EVROFARMA SA (CR)	0.99	5.32% #	# L	LAMDA DEVELOPMENT SA (CR)	7.73	-3.01% 0	Œ
ALPHA BANK (CR)	1.89	4.71% #	# /	ATHENS MEDICAL CENTER SA (CR)	2.22	-1.77% <b>o</b>	Œ
ATTICA HOLDINGS (CR)	1.355	3.44% #	# J	JUMBO SA (CR)	17.7	-1.39% 0	Œ
NATIONAL BANK (CR)	3.115	2.80% #	# L	JNIBIOS (CR)	0.385	-1.28% 0	Œ
BRIQ PROPERTIES (CR)	2.24	2.75% #	#	NFORM P. LYKOS SA (CR)	1.54	-0.97% 0	Œ
EKTER SA (CR)	1.31	2.75% #	# F	FIERATEX SA (CR)	0.65	-0.76% 0	Œ
CC HBC AG (CR)	28.91	2.37% #	# (	CENERGY HOLDINGS (CB)	1.32	-0.75% 0	Œ
PETROPOULOS PETROS (CR)	7.5	2.04% #	# (	GR. SARANTIS S.A. (CR)	8.3	-0.60% 0	Œ
EYDAP S.A. (CR)	7.47	1.77% #	# 7	THRACE PLASTICS SA (CR)	2.04	-0.49% 0	Œ
With the highest Transactions Value	Value (thou. €)	change	١	With the highest Transactions Volume	Volume	change	
OPAP (CR)	11,514.43	1.52% ‡	# E	EUROBANK ERGASIAS (CR)	6,542,857	-0.26% 0	Œ
ALPHA BANK (CR)	7,604.93	4.71% ‡	# /	ALPHA BANK (CR)	4,143,870	4.71% #	#
OTE (CR)	7,389.10	0.58% #	# 1	NATIONAL BANK (CR)	2,108,487	2.80% #	#
NATIONAL BANK (CR)	6,475.49	2.80% ‡	# (	OPAP (CR)	1,157,274	1.52% #	#
EUROBANK ERGASIAS (CR)	6,258.64	-0.26%	ŒF	PIRAEUS BANK (CR)	1,052,002	0.59% #	#
LAMDA DEVELOPMENT SA (CR)	6,050.05	-3.01%	Œ	MARFIN INVESTMENT GROUP (CR)	787,492	0.31% #	#
JUMBO SA (CR)	3,741.58	-1.39%	Œ	LAMDA DEVELOPMENT SA (CR)	787,055	-3.01% 0	Œ
PIRAEUS BANK (CR)	3,242.87	0.59% ‡	# (	OTE (CR)	532,376	0.58% #	#
CC HBC AG (CR)	2,369.59	2.37% ‡	# E	ELLAKTOR (CR)	320,470	0.00% ¬	7
MOTOR OIL (CR)	1,899.07	0.74% ‡	# F	PPC (CR)	254,051	0.58% #	#

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

Deriva	tives	Summar	y

	Number of Trades	Volume	Open Interest
Index Futures	138	434	11,091
FTSE/Athex Large Cap	138	434	11,091
Stock Futures	1,523	13,424	369,289
ADMIE (IPTO) HOLDING S.A. (CR)	1	5	7,522
ALPHA BANK (CR)	314	3,794	61,372
ATTICA BANK S.A. (CR)	2	10	7,475
CC HBC AG (CR)	33	56	766
CENERGY HOLDINGS (CB)	25	159	7,758
ELLAKTOR (CR)	65	408	20,421
EUROBANK ERGASIAS (CR)	58	1,423	35,529
EYDAP S.A. (CR)	19	83	389
FOURLIS (CR)	4	5	197
GEK TERNA (CR)	13	55	10,477
HELLENIC EXCHANGES-A.S.E. (CR)	0	0	2,662
HELLENIC PETROLEUM (CR)	16	45	2,166
NTRACOM HOLDINGS (CR)	0	0	3,800
NTRALOT (CR)	12	69	6,092
IUMBO SA (CR)	136	235	477
AMDA DEVELOPMENT SA (CR)	235	921	1,775
MARFIN INVESTMENT GROUP (CR)	12	235	80,483
MOTOR OIL (CR)	8	13	583
MYTILINEOS (CR)	38	100	12,843
NATIONAL BANK (CR)	250	4,038	39,586
OPAP (CR)	78	271	7,021
OTE (CR)	9	33	2,147
P.P.A. S.A. (CR)	1	3	726
PIRAEUS BANK (CR)	141	1,157	29,883
PPC (CR)	35	249	15,939
FERNA ENERGY (CR)	16	51	4,809
FITAN CEMENT (CB)	1	1	68
/IOHALCO SA/NV (CB)	1	5	6,323
ndex Options	15	125	2,008
FTSE/Athex Large Cap	15	125	2,008
Stock Options	1	10	1,196
ALPHA BANK (CR)	0	0	40
NATIONAL BANK (CR)	1	10	635
OPAP (CR)	0	0	19
OTE (CR)	0	0	245
PIRAEUS BANK (CR)	0	0	133
PPC (CR)	0	0	124
Total Derivatives Traded	1,677	13,993	383,584

Section 2: Analytic Figures of Shares Transactions Friday, 22 November, 2019

Number of Outstanding Securities Nominal Value		nds [1] 17 2	Date of Las 018 Dividend [2]	•	Note	Shares	Closing price	% change	Previous closing price/date	Open price	Price Price Last Av min max price pri		Last Ask [7]	P/E after	Year	Volume	Trades	Fransactions Value[8]	Company Mi Value (thou.			ear Secto igh 4]
Main Market - I	High Lic	quidi	ty Class																			
1,543,699,381 0.300			07/04/2008	8 18/04/2017		ALPHA BANK (CR)	1.89	4.71 #	1.805 21/11/2019	1.81	1.793 1.89 1.89	1.835 1000@1.88	39364@1.89			4,143,870	3,592	7,604,933.7	8 2,917,591.83	0.841	1.983	301010
461,254,013 0.300			04/06/2008	8 30/04/2018		ATTICA BANK S.A. (CR)	0.43	-0.46 <b>Œ</b>	0.432 21/11/2019	0.436	0.42 0.4375 0.43	0.428 2750@0.429	224@0.431			239,341	211	102,421.7	7 198,339.23	0.0992	0.62	301010
190,162,681				07/12/2016		CENERGY HOLDINGS (CB)	1.32	-0.75 <b>Œ</b>	1.33 21/11/2019	1.33	1.3 1.33 1.32	1.312 1300@1.31	804@1.32			75,779	155	99,423.1	9 251,014.74	1.182	1.61	502020
369,285,526 6.70	0.44	0.54	2.57 04/07/2019	9 29/04/2013		CC HBC AG (CR)	28.91	2.37 #	28.24 21/11/2019	28.48	28.48 29.05 28.91	28.8 2@28.89	356@29.00			82,278	354	2,369,591.3	410,676,044.56	26.81	35.2	451010
51,807,314 0.810			21/06/2010	23/07/2019		FOURLIS (CR)	5.48	0.74 #	5.44 21/11/2019	5.46	5.46 5.6 5.48	5.578 267@5.45	2849@5.50			57,765	268	322,203.5	8 283,904.08	3.775	5.86	404010
76,000,000 1.00			03/07/2007	7 17/09/2018		INTRACOM HOLDINGS (CR)	0.887	0.45 #	0.883 21/11/2019	0.892	0.878 0.898 0.887	0.885 1000@0.880	573@0.888			15,555	53	13,760.9	9 67,412.00	0.61	1.202	151010
136,059,759 0.880	0.36	0.36	0.39 11/11/2019	9 05/03/2014		JUMBO SA (CR)	17.7	-1.39 <b>Œ</b>	17.95 21/11/2019	18.28	17.68 18.28 17.7	17.811 11050@17.69	2@17.88			210,072	1,541	3,741,575.9	4 2,408,257.73	12.22	18.88	402030
79,721,775 0.300			30/05/2007	7 23/06/2014		LAMDA DEVELOPMENT SA (CR)	7.73	-3.01 <b>Œ</b>	7.97 21/11/2019	7.5	7.43 7.87 7.73	7.687 4472@7.71	100@7.74			787,055	1,600	6,050,054.0	4 616,249.32	5.62	10.1	351010
939,510,748 0.300			26/04/2007	7 29/08/2014		MARFIN INVESTMENT GROUP (CR)	0.0974	0.31 #	0.097 21/11/2019	0.099	0.0953 0.099 0.0974	0.097 53483@0.097	5000@0.098			787,492	179	76,405.2	1 91,508.35	0.067	0.1592	302020
82,447,868				23/07/2019		TITAN CEMENT (CB)	18.7	1.74 #	18.38 21/11/2019	18.58	18.44 18.7 18.7	18.558 5@18.58	188@18.70			20,217	320	375,184.3	4 1,541,775.13	17.86	20	501010
259,189,761				26/02/2016		VIOHALCO SA/NV (CB)	3.7	1.37 #	3.65 21/11/2019	3.65	3.65 3.7 3.7	3.667 310@3.67	420@3.71			80,105	136	293,776.8	9 959,002.12	2.45	4.495	502030
232,000,000 2.12		(	0.0601 02/08/2019	9 19/06/2017		ADMIE (IPTO) HOLDING S.A. (CR)	2.19	0.46 #	2.18 21/11/2019	2.165	2.165 2.19 2.19	2.182 489@2.19	4156@2.19	12.02	2018	26,977	70	58,872.8	2 508,080.00	1.46	2.29	651010
71,417,100 0.650	0.4	0.55	0.6 03/06/2019	9 27/06/2014		AEGEAN AIRLINES (CR)	8.28	0.98 #	8.2 21/11/2019	8.2	8.14 8.29 8.28	8.197 4971@8.19	341@8.28			38,214	258	313,251.7	9 591,333.59	6.97	8.73	405010
103,423,291 0.570			01/08/2011	1 19/04/2016		GEK TERNA (CR)	6.94	¬	6.94 21/11/2019	6.94	6.84 6.94 6.94	6.9 4950@6.90	2139@6.94			47,540	170	328,028.8	0 717,757.64	4.08	7	501010
232,000,000 2.48			20/07/2015	5 12/12/2001		PPC (CR)	3.122	0.58 #	3.104 21/11/2019	3.1	3.1 3.142 3.122	3.115 1012@3.12	250@3.14			254,051	479	791,490.0	9 724,304.00	1.201	3.26	651010
914,715,153 3.00			16/05/2008	8 29/08/2018		NATIONAL BANK (CR)	3.115	2.80 #	3.03 21/11/2019	3.06	3.012 3.115 3.115	3.071 1000@3.11	18991@3.12			2,108,487	6,102	6,475,493.0	1 2,849,337.70	0.9	3.13	301010
214,272,003 1.03			05/07/2011	1 22/07/2019		ELLAKTOR (CR)	1.71	¬	1.71 21/11/2019	1.7	1.69 1.71 1.71	1.701 2500@1.70	20594@1.71			320,470	523	545,261.5	9 366,405.13	1.1784	2.3	501010
60,348,000 0.580	0.065 0.0	502	0.05 05/06/2019	9 05/08/2019		HELLENIC EXCHANGES-A.S.E. (CR)	4.53	0.89 #	4.49 21/11/2019	4.48	4.48 4.53 4.53	4.521 5@4.52	1804@4.53			33,129	209	149,760.7	5 273,376.44	3.52	5.23	302020
305,635,185 2.18		0.4	0.75 01/07/2019	9 01/10/2003		HELLENIC PETROLEUM (CR)	8.65	0.23 #	8.63 21/11/2019	8.69	8.58 8.7 8.65	8.644 735@8.60	1687@8.65			19,279	124	166,639.1	1 2,643,744.35	7.23	9.6	601010
114,320,400 0.100	(0.01	175) ##	##### 08/07/2019	9 05/08/2019		IKTINOS HELLAS SA (CR)	1.05	0.19 #	1.048 21/11/2019	1.048	1.04 1.052 1.05	1.049 300@1.04	5920@1.05			83,880	104	87,953.5	7 120,036.42	0.881	1.3975	501010
156,961,721 0.300			30/05/2013	3 14/11/2007		INTRALOT (CR)	0.406	0.25 #	0.405 21/11/2019	0.406	0.406 0.417 0.406	0.412 4550@0.406	2910@0.410			242,412	190	99,864.2	7 63,726.46	0.3	0.581	405010
19,804,134 0.300			01/07/2004	4 06/11/2017		KEKROPS SA (CR)	2.78	0.36 #	2.77 21/11/2019	2.78	2.76 2.79 2.78	2.777 60@2.77	1128@2.78		2018	2,112	16	5,864.7	6 55,055.49	1.24	3.9	351010
110,782,980 0.750	0.9	1.3	1.3 26/06/2019	9 04/11/2013		MOTOR OIL (CR)	21.64	0.74 #	21.48 21/11/2019	21.8	21.44 21.88 21.64	21.648 2922@21.64	145@21.68			87,725	913	1,899,074.4	8 2,397,343.69	19.12	24.4	601010
142,891,161 0.970	(	0.32	0.36 26/06/2019	9 07/07/2017		MYTILINEOS (CR)	9.81		9.81 21/11/2019	9.81	9.8 9.92 9.81	9.842 395@9.81	422@9.82			136,791	892	1,346,357.3	7 1,401,762.29	7.19	11.43	502030
25,000,000 2.00	0.0892 0.1	712	0.424 22/07/2019	9 08/08/2003		P.P.A. S.A. (CR)	23	0.66 #	22.85 21/11/2019	22.95	22.9 23 23	22.966 511@22.85	3301@23.00	20.62	2018	12,552	46	288,274.6	0 575,000.00	14.42	25.25	502060
321,623,443 0.300	0.72	0.4	0.7 26/06/2019	9 25/04/2001		OPAP (CR)	10	1.52 #	9.85 21/11/2019	9.82	9.82 10.04 10	9.95 222@9.99	41520@10.00			1,157,274	3,477	11,514,425.0	9 3,216,234.43	7.5241	10.32	405010
479,939,319 2.83	0.16 0.3	529 (	0.5245 22/07/2019	9 18/06/1998		OTE (CR)	13.88	0.58 #	13.8 21/11/2019	13.8	13.79 13.94 13.88	13.879 454@13.87	2296@13.89			532,376	1,927	7,389,096.8	2 6,661,557.75	9.5	13.99	151020
436,659,164 6.00			16/05/2008	31/07/2017		PIRAEUS BANK (CR)	3.09	0.59 #	3.072 21/11/2019	3.102	3.054 3.114 3.09	3.083 376@3.09	10@3.09			1,052,002	1,807	3,242,866.9	8 1,349,276.82	0.552	3.29	301010
69,877,484 0.780 (	(0.0875) (0	.14) (	0.1489 24/07/2019	9 13/06/2018		GR. SARANTIS S.A. (CR)	8.3	-0.60 <b>Œ</b>	8.35 21/11/2019	8.14	8.13 8.33 8.3	8.236 2180@8.30	278@8.34			30,744	150	253,199.5	4 579,983.12	6.72	9.19	452010
113,918,936 0.300	0.0939 0.0	419	10/01/2018	3 07/01/2019		TERNA ENERGY (CR)	7.4	¬	7.4 21/11/2019	7.41	7.33 7.44 7.4	7.405 402@7.38	296@7.44			16,899	115	125,145.1	3 843,000.13	5.3	7.87	651010
3,709,161,852 0.230			02/05/2008	3 20/05/2019		EUROBANK ERGASIAS (CR)	0.9575	-0.26 <b>Œ</b>	0.96 21/11/2019	0.969	0.946 0.972 0.9575	0.957 25013@0.954	13580@0.958			6,542,857	2,248	6,258,636.6	9 3,551,522.47	0.4664	0.9925	301010
Main Market - I	Medium	Liq	uidity Clas	S																		
13,126,020 0.490			08/07/2010	06/09/2019		AS COMPANY SA (CR)	2.93		2.93 21/11/2019	2.87	2.87 2.93 2.93	2.879 50@2.89	100@2.96			783	5	2,254.1	9 38,459.24	2.38	3.3	404010
102,847,472 0.300			01/07/2008	8 01/03/2010		AUDIO VISUAL ENTERPRISES (CR)	0.244	-1.61 <b>(E</b>	0.248 21/11/2019	0.224	0.224 0.244 0.244	0.232 1000@0.226	2490@0.244			5,910	7	1,373.0	4 25,094.78	0.171	0.4	403010
48,855,000 0.080 (	(0.2125) (0.2	275) ##	##### 20/05/2019	9 25/06/2019		AUTOHELLAS SA (CR)	7.26	0.55 #	7.22 21/11/2019	7.16	7.16 7.28 7.26	7.193 10@7.22	4271@7.26			29,324	109	210,926.9	6 354,687.30	5.25	7.3	402010
11,921,531 2.10	0.	035	0.055 22/03/2019	9 31/07/2017		BRIQ PROPERTIES (CR)	2.24	2.75 #	2.18 21/11/2019	2.18	2.14 2.26 2.24	2.186 1338@2.20	220@2.26	9.28	2018	8,722	34	19,062.1	0 26,704.23	1.96	2.56	351020
15,816,009 0.300			01/07/2009	9 17/07/2000		BYTE COMPUTER SA (CR)	1.13	¬	1.13 21/11/2019	1.13	1.13 1.15 1.13	1.135 1020@1.12	1714@1.15			4,750	20	5,392.5	4 17,872.09	0.49	1.41	101010

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

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Section 2. And	alytic i	iguics	01 5110	arcs mansaction	13															i iida	<i>J</i> , 22 110	, v ci i i b	CI, 2017
Outstanding	ominal Value		idends [ 2017	1] Date of Lac 2018 Dividend [2]		Note	Shares	Closing price	% change	Previous closing price/date	Open price	Price Price Last in min max price p		Last Ask [7]	P/E after	Year	Volume Tr	ades T	ransactions Value[8]	Company Mk Value (thou. €			r Sector[ h 4]
101,123,806 (	0.360			22/07/2010	0 28/06/2011		CENTRIC HOLDINGS (CR)	0.242	7	0.242 21/11/2019	0.236	0.236 0.242 0.242	0.24 1000@0.239	1420@0.240			24,340	12	5,847.82	24,471.96	0.118	0.263	40203040
784,500	10.00			0.13 10/10/201	9 31/07/2018		CNL CAPITAL (CR)	10.1	1.00 #	10 21/11/2019	10	9.95 10.1 10.1	10.077 700@10.00	1400@10.60	-(6)-	2018	5,073	33	51,118.40	7,923.45	9.35	10.5	30202000
52,800,154 (	0.300			20/08/2014	4 21/06/2004		F.G. EUROPE S.A. (CR)	0.346	¬	0.346 21/11/2019				160@0.448						18,268.85	0.342	0.62	40202020
20,578,374	0.620	0.07	0.1	08/06/2018	8 18/05/2015		INFORM P. LYKOS SA (CR)	1.54	-0.97 Œ	1.555 21/11/2019	1.555	1.535 1.56 1.54	1.548 135@1.54	600@1.57			6,980	26	10,802.23	31,690.70	0.744	1.795	50205030
10,500,000	4.00	0.28	0.31	0.36 07/05/2019	9 02/08/2016		INTERCONTINENTAL (CR)	6.85		6.85 21/11/2019	6.85	6.85 6.85 6.85	6.85 50@6.75	1901@6.85			15	1	102.75	71,925.00	5.5	6.95	35102000
30,477,156	0.300			12/08/2008	3 17/10/2017		INTRACOM CONSTR. (CR)	1.83	¬	1.83 21/11/2019	1.83	1.79 1.84 1.83	1.813 600@1.81	125@1.84			6,650	31	12,053.88	55,773.20	0.92	2.18	50101010
468,700		0.73	0.73	4.869 25/04/2019	9 21/05/2004		MERMEREN KOMB. A.D. PR. (GDR)	51		51 21/11/2019	51	51 51.2 51.2	51.075 45@51.20	45@52.00	1.05	2018	16	4	817.20	23,903.70	44	76.8	55102000
10,500,000	0.950			24/06/2008	30/06/2017		MEVACO SA (CR)	1.8	2.86 #	1.75 21/11/2019	1.77	1.74 1.8 1.8	1.773 100@1.74	1723@1.80		2018	3,501	14	6,206.63	18,900.00	0.91	1.82	55102015
12,417,000 (	0.310			0.0205 27/08/2019	9 28/08/2017		MLS MULTIMEDIA SA (CR)	1.51	-6.79 Œ	1.62 21/11/2019	1.63	1.505 1.635 1.51	1.544 10@1.51	2080@1.54	11.71	2018	60,775	447	93,816.85	18,749.67	0.75	5.32	10101015
3,953,090 (	0.300	0.2	0.16	0.15 06/06/201	9 05/12/2012		PAPERPACK (CR)	4.88	0.83 #	4.84 21/11/2019	4.9	4.84 4.9 4.9	4.878 300@4.72	6@4.90	25.34	2018	1,320	8	6,438.96	19,291.08	2.8	5.8	50203030
11,812,193 (	0.470			29/05/2018	8 10/07/2019		PROFILE SA (CR)	3.59	0.56 #	3.57 21/11/2019	3.62	3.54 3.63 3.59	3.565 200@3.56	445@3.59			4,615	29	16,452.30	42,405.77	1.21	4.25	10101010
27,345,120 (	0.470			18/07/200	5 26/02/2014		QUALITY & RELIABILITY SA (CR)	0.1855	1.64 #	0.183 21/11/2019	0.1835	0.183 0.1855 0.1855	0.185 10139@0.186	2180@0.187			10,911	10	2,021.66	5,072.52	0.161	0.271	10101010
35,740,896	0.100			05/09/2008	30/07/2019		QUEST HOLDINGS (CR)	7.34	0.55 #	7.3 21/11/2019	7.3	7.26 7.36 7.34	7.29 946@7.30	219@7.36			14,421	56	105,135.20	262,338.18	4.2667	7.56	10101010
57,434,884	1.31			05/06/2008	3 12/06/2009		REDS S.A. (CR)	1.2	0.84 #	1.19 21/11/2019	1.18	1.18 1.21 1.2	1.205 961@1.18	495@1.20			409	10	492.92	68,921.86	0.8	1.3	35101010
6,456,530	1.08			04/07/2019	9 02/08/2010		SPACE HELLAS SA (CR)	4.78	-2.25 Œ	4.89 21/11/2019	4.79	4.78 4.79 4.78	4.783 600@4.66	1282@4.78			4	2	19.13	30,862.21	4.34	5.55	15101010
15,627,315 (	0.300			16/11/1992	2 24/07/2019		UNIBIOS (CR)	0.385	-1.28 <b>Œ</b>	0.39 21/11/2019	0.389	0.384 0.408 0.385	0.391 200@0.385	7506@0.390			31,244	42	12,219.23	6,016.52	0.2334	0.47	50204000
77,654,850 (	0.300			01/07/201	1 21/02/2003		AVAX S.A. (CR)	0.69	0.88 #	0.684 21/11/2019	0.687	0.686 0.7 0.69	0.693 300@0.685	1000@0.698			18,403	38	12,744.67	53,581.85	0.286	0.879	50101010
22,016,250 (	0.370			15/07/2009	9 11/05/2000		ALUMIL (CR)	1.135	0.89 #	1.125 21/11/2019	1.15	1.1 1.15 1.135	1.118 500@1.11	1377@1.14			11,162	47	12,474.41	24,988.44	0.181	2.17	55102035
401,136	15.25		0.75	05/04/2018	3 12/09/2019		ANDROMEDA SA (CR)	24.8	¬	24.8 21/11/2019			16@24.60	2@25.00		2018				9,948.17	20.4	26.8	30202010
18,810,000 (	0.400			08/07/2010	0 14/11/2007		VARVERIS - MODA BAGNO SA (CR)	0.65	14.03 #	0.57 21/11/2019	0.575	0.575 0.65 0.65	0.625 10688@0.630	3650@0.650			61,448	92	38,377.80	12,226.50	0.262	0.745	40401025
6,325,000	0.600	0.11	0.15	0.103 04/07/201	9 17/02/2014		VOGIATZOGLOU SYSTEMS SA (CR)	2.28	¬	2.28 21/11/2019			200@2.14	717@2.38						14,421.00	1.61	2.44	50205010
24,060,000	0.300	0.01	0.01	0.015 01/07/201	9 01/07/2019		GEN. COMMERCIAL & IND.SA (CR)	0.77	2.67 #	0.75 21/11/2019	0.74	0.74 0.77 0.77	0.741 90@0.740	791@0.770	19.22	2018	4,110	8	3,044.70	18,526.20	0.585	0.9	50205010
34,720,000 (	0.310			16/06/2010	0 01/08/2007		DROMEAS SA (CR)	0.38	-0.52 Œ	0.382 21/11/2019	0.382	0.344 0.385 0.38	0.38 4000@0.365	1000@0.376			4,420	18	1,679.52	13,193.60	0.2	0.465	40202015
13,673,200 (	0.880			18/07/2008	8 26/07/2001		EVROFARMA SA (CR)	0.99	5.32 #	0.94 21/11/2019	0.942	0.942 0.992 0.99	0.981 110@0.984	273@0.992			36,234	133	35,563.28	13,536.47	0.605	1.16	45102020
11,250,000 (	0.520	0.04		0.04 22/07/2019	9 09/11/2015		EKTER SA (CR)	1.31	2.75 #	1.275 21/11/2019	1.275	1.275 1.32 1.31	1.301 2000@1.27	630@1.31			52,374	67	68,131.72	14,737.50	1.18	1.985	50101010
18,410,839	1.00			07/07/200	9 10/09/2010		ELASTRON (CR)	1.45	1.40 #	1.43 21/11/2019	1.4	1.4 1.45 1.45	1.401 10@1.41	1501@1.45	-(6)-	2017	944	4	1,322.15	26,695.72	1.105	1.685	55102010
375,241,586 (	0.390			0.03 28/05/2019	9 14/07/2006		ELVALHALCOR (CR)	1.8	1.47 #	1.774 21/11/2019	1.79	1.772 1.83 1.8	1.81 200@1.79	162@1.80			74,198	103	134,292.59	675,434.85	1.19	2.095	55102015
31,734,530				09/07/200	7 19/07/2006		ELGEKA SA (CR)	0.312	-4.29 Œ	0.326 21/11/2019	0.326	0.304 0.326 0.32	0.311 1600@0.300	720@0.316			3,299	8	1,027.28	9,901.17	0.113	0.39	45201010
19,864,886		0.672	0.672	0.672 04/04/2019	9 02/07/2008		BANK OF GREECE (CR)	14.18	1.14 #	14.02 21/11/2019	14.04	13.9 14.18 14.18	13.994 8@14.02	1379@14.18			12,000	91	167,932.86	281,684.08	12.2	15.2	30101010
26,730,187 (	0.520		0.04	0.06 09/07/201	9 01/08/2017		ELTON SA (CR)	1.685	0.30 #	1.68 21/11/2019	1.7	1.635 1.7 1.685	1.653 400@1.66	705@1.69	21.70	2017	3,055	13	5,050.58	45,040.37	1.2	1.93	50205010
14,050,971 (	0.340			13/12/201	7 21/02/2018		ELTRAK SA (CR)	3.3	7	3.3 21/11/2019	3.3	3.3 3.32 3.3	3.31955597@3.30	1950@3.40			35,365	16	116,716.50	46,368.20	2.12	3.32	50204020
36,300,000	1.12	0.228	0.221	0.126 27/06/201	9 12/12/2007		THESSALONIKA WATER & SEWERAC	GE 4.91	0.61 #	4.88 21/11/2019	4.9	4.86 4.94 4.93	4.915 34@4.86	1390@4.94			381	10	1,872.59	178,233.00	4.14	5.7	65102030
106,500,000	0.600	0.11	0.2	0.27 28/06/2019	9 28/01/2000		EYDAP S.A. (CR)	7.47	1.77 #	7.34 21/11/2019	7.34	7.34 7.65 7.47	7.554 1152@7.46	29@7.53			140,809	691	1,063,640.54	795,555.00	4.825	8.37	65102030
27,503,677	0.630	0.1	0.12	0.13 29/05/2019	9 18/10/1999		EUROPEAN RELIANCE INSUR. (CR)	4.97	-0.20 <b>Œ</b>	4.98 21/11/2019	4.97	4.89 4.97 4.97	4.921 100@4.91	28@4.97			15,097	133	74,288.45	136,693.27	3.4	5.78	30302010
122,156,754 (				24/11/201	4 28/03/2018		• •	1.41		1.454 21/11/2019		1.41 1.446 1.41	1.414 709@1.41	500@1.42			1,024	8	1,448.32	172,241.02	1.18	1.49	20101010
86,735,980 (	0.310			06/07/200	9 02/01/2002		ATHENS MEDICAL CENTER SA (CR)	2.22	-1.77 Œ	2.26 21/11/2019	2.21	2.2 2.26 2.22	2.216 200@2.21	329@2.22			7,148	42	15,842.66	192,553.88	0.96	2.41	20101025
8,226,132 (	0.900			15/05/200	9 13/10/2014		ILYDA S.A. (CR)	0.272	7	0.272 21/11/2019			1700@0.272	500@0.282						2,237.51	0.183	0.48	10101015
8,298,467 (	0.400			30/08/1993	3 08/05/2013		IDEAL GROUP SA (CR)	0.93	¬	0.93 21/11/2019			200@0.895	974@0.990						7,717.57	0.72	1.22	10102030
2,566,836 (	0.440			13/08/2010	0 09/01/2007		INTERWOOD-XYLEMPORIA (PR)	0.35	¬	0.35 21/11/2019				10000@0.450						5,481.61	0.0725	0.35	50205010

Year: 140 Trading Day No: 223 Friday, 22 November, 2019

Number of Outstanding Securities Nominal Value		vidends [1 2017	Date of Last Coupon Dividend [2] Right	Note	Shares	Closing price	% change	Previous closing price/date	Open price	Price Price Last min max price		Last Ask [7]	P/E after	Year	Volume	Trades		Company Mkt Value (thou. €			
8,424,900 0.500			12/07/2010 04/07/2019		INTERTECH SA (CR)	0.65	-5.80 <b>Œ</b>	0.69 21/11/2019	0.65	0.65 0.65 0.65	0.65 930@0.650	2000@0.670		2018	35	1	22.75	5,476.19	0.387	0.875	50205010
14,679,792 1.68	0.07		28/06/2017 04/09/2000		KARATZIS SA (CR)	8	¬	8 21/11/2019	7.95	7.9 8 8	7.941 100@7.95	380@8.15			4,310	6	34,225.00	117,438.34	6	8.45	50203030
40,219,218 0.260			02/07/2018 10/06/2019		KLOUKINAS - LAPPAS SA (CR)	0.784	-0.76 Œ	0.79 21/11/2019	0.79	0.776 0.796 0.784	0.785 2200@0.780	199@0.794			8,909	22	6,994.00	31,531.87	0.524	1.08	50101010
11,510,102 0.890			24/06/2005 06/10/1999		NAFPAKTOS TEXTILE (CR)	0.735	-2.00 Œ	0.75 21/11/2019	0.7	0.7 0.745 0.735	0.714 20@0.700	94@0.735			2,025	10	1,446.83	8,459.92	0.4	1	55101020
21,224,340 0.420	0.01	0.005	10/09/2018 25/04/2006		KORDELLOS BROS SA (CR)	0.406	¬	0.406 21/11/2019	0.412	0.392 0.414 0.406	0.407 200@0.394	862@0.406		2018	2,230	7	906.60	8,617.08	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)	5.42	¬	5.42 21/11/2019	5.42	5.4 5.42 5.42	5.406 500@5.36	100@5.40	17.70	2018	9,150	29	49,460.82	179,213.04	4.25	5.78	45102020
18,017,472 0.360			15/06/2010 28/08/2017		KTIMA KOSTAS LAZARIDIS SA (CR)	1.46	5.04 #	1.39 21/11/2019	1.46	1.46 1.46 1.46	1.46 500@1.37	295@1.46			5	1	7.30	26,305.51	0.75	1.72	45101015
7,595,160 0.600		0.0263	0.0263 10/09/2019 18/08/2010		KIRIAKOULIS SHIPPING SA (CR)	2.04		2.04 21/11/2019	2.02	1.98 2.04 2.04	1.993 500@2.00	157@2.04			6,880	49	13,714.46	15,494.13	0.81	2.58	40501015
5,939,268 0.620			10/07/2003 03/01/2002		LANAKAM SA (CR)	0.97		0.97 21/11/2019			500@0.915	525@0.970		2018				5,761.09	0.294	1.15	40401020
17,120,280 0.940			01/06/2010 02/08/2019		LOULIS MILLS SA (CR)	3.48	¬	3.48 21/11/2019			1000@3.34	230@3.46						59,578.57	2.1	3.56	45102020
9,819,370 0.690			14/08/2007 09/01/2004		MATHIOS REFRACTORY SA (CR)	0.324	7.28 #	0.302 21/11/2019	0.31	0.31 0.38 0.324	0.342 243@0.324	703@0.348			20,641	46	7,060.21	3,181.48	0.172	0.52	55101000
29,250,000 0.360			02/06/2009 25/04/2019		MOTODYNAMICS S.A. (CR)	1.26	-2.33 Œ	1.29 21/11/2019	1.29	1.26 1.29 1.26	1.278 685@1.26	10@1.28			1,115	9	1,425.40	36,855.00	0.5225	1.46	40401030
32,188,050 1.04			21/07/2008 20/01/2000		MOUZAKIS (CR)	0.478	¬	0.478 21/11/2019	0.464	0.462 0.48 0.478	0.467 200@0.464	2841@0.474			5,240	18	2,448.28	15,385.89	0.296	0.585	55101020
8,321,682 0.670			17/08/2007 23/11/1999		N. LEVENTERIS (CR)	0.195		0.195 21/11/2019			860@0.140	900@0.194		2018				2,136.93	0.073	0.21	50203000
2,160,524 0.670	0.0436	0.0436	03/12/2018 23/11/1999		N. LEVENTERIS (PR)	0.238	9.17 #	0.218 21/11/2019	0.238	0.238 0.238 0.238	0.238 750@0.153	112@0.238		2018	340	1	80.92	2,136.93	0.13	0.268	50203000
294,016,812 0.300			08/07/2008 21/03/2016		NIREFS SA (CR)	0.209	4.50 #	0.2 21/11/2019	0.197	0.197 0.215 0.207	0.209 700@0.208	42675@0.210			33,457	22	7,005.65	61,449.51	0.1514	0.22	45102010
4,971,466 1.46			04/07/2007 08/10/2003		PAIRIS SA (CR)	0.35	2.34 #	0.342 21/11/2019	0.338	0.338 0.35 0.35	0.34 400@0.244	90@0.350			2,297	6	781.11	1,740.01	0.16	0.62	50203030
25,118,410 0.590			17/08/2000 25/06/2019		PAPOUTSANIS (CR)	1.67	0.30 #	1.665 21/11/2019	1.675	1.63 1.675 1.67	1.643 1433@1.64	238@1.67	37.95	2018	6,835	24	11,232.83	41,947.74	0.95	1.85	45201020
17,175,776 0.370			14/07/2005 30/09/2003		PERSEUS SA (CR)	1	¬	1 21/11/2019	0.98	0.954 1 1	0.974 1940@0.962	4999@1.00	5.88	2018	4,645	17	4,524.20	17,175.78	0.912	1.35	45102010
22,075,665 0.330	0.05	0.07	0.07 30/05/2019 27/04/2015		PLAISIO COMPUTERS SA (CR)	3.56	1.14 #	3.52 21/11/2019	3.52	3.52 3.6 3.6	3.563 100@3.56	189@3.60			995	15	3,544.79	78,589.37	3.51	4.37	40401010
43,741,452 0.660		0.0471	0.0444 20/06/2019 01/11/1999		THRACE PLASTICS SA (CR)	2.04	-0.49 Œ	2.05 21/11/2019	2.05	2 2.05 2.04	2.032 149@2.02	1447@2.05			13,083	47	26,581.58	89,232.56	1.79	2.6	50203015
21,912,599 0.300			11/04/2011 23/02/2007		REVOIL (CR)	0.92	2.22 #	0.9 21/11/2019	0.93	0.91 0.935 0.92	0.925 60@0.910	960@0.920	13.76	2018	370	9	342.35	20,159.59	0.392	1.08	60101020
28,438,268 0.300			21/08/2006 24/11/1999		SPIROY AGRICULTURE SA (CR)	0.21	3.96 #	0.202 21/11/2019	0.204	0.202 0.212 0.21	0.209 1748@0.210	2000@0.258			9,132	22	1,905.00	5,972.04	0.18	0.348	45102010
40,693,350 5.00			03/07/2006 26/05/2015		TECHNICAL OLYMPIC SA (CR)	2.44		2.44 21/11/2019	2.47	2.4 2.47 2.44	2.433 180@2.41	657@2.44			5,203	28	12,657.47	99,291.77	1.38	2.88	40202010
1,524,000 0.300			06/07/2007 06/02/2013		GIRAKIAN PROFIL SA (CB)	3.84	-1.54 Œ	3.9 21/11/2019	3.94	3.7 3.94 3.84	3.759 100@3.70	18@3.84		2018	215	17	808.22	5,852.16	0.865	4.72	55102010
10,203,575 0.730			16/07/2007 18/10/1999		FIERATEX SA (CR)	0.65	-0.76 Œ	0.655 21/11/2019	0.655	0.65 0.685 0.65	0.665 810@0.620	332@0.650	65.67	2018	27,125	65	18,034.21	6,632.32	0.142	0.685	55101020
8,340,750 1.16			25/06/2009 17/09/2018		HAIDEMENOS SA (CR)	0.73		0.73 21/11/2019			795@0.640	50@0.755		2018				6,088.75	0.44	1.17	50205030
Main Market -	Low I	_iquid	ity Class																		
14,000,000 4.15			23/04/2010 29/06/1999		ALPHA REAL ESTATE SA(CR)	6.8	-1.45 Œ	6.9 21/11/2019	6.8	6.75 6.9 6.8	6.79 220@6.70	37@6.80			674	12	4,576.30	95,200.00	6.05	8.1	35101015
215,805,843 0.300			20/07/2009 29/12/2010		ATTICA HOLDINGS (CR)	1.355	3.44 #	1.31 21/11/2019	1.29	1.29 1.37 1.355	1.349 500@1.35	400@1.36			30,304	55	40,870.15	292,416.92	1.15	1.475	40501015
9,907,500 0.300			06/10/2005 13/02/2002		CPI SA (CR)	0.35	7	0.35 21/11/2019			500@0.326	311@0.360		2018				3,467.63	0.186	0.44	10102030
11,720,024 0.540			21/08/2014 30/08/2019		FLEXOPACK SA (CR)	6.9		6.9 21/11/2019			100@6.90	464@7.30						80,868.17	6.25	7.95	50203030
4,740,000 0.860			14/03/2003		LOGISMOS S.A. (CR)	0.454		0.454 21/11/2019			400@0.414	44@0.494	57.05	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)	1.02	0.99 #	1.01 21/11/2019	1.02	1.02 1.02 1.02	1.02 600@1.01	500@1.03	32.37	2018	500	1	510.00	111,353.10	0.692	1.24	35102030
15,300,000 0.300			30/07/2009 13/12/1999		ATTICA PUBLICATIONS SA (CR)	0.3	¬	0.3 21/11/2019			1500@0.276							4,590.00	0.202	0.505	40301030
23,986,500 1.05			26/06/2009 15/03/2000		BIOKARPET S.A.(CR)	0.925	-8.42 Œ	1.01 21/11/2019	0.92	0.92 0.985 0.925	0.924 850@0.910	1399@0.985			1,555	9	1,436.73	22,187.51	0.45	1.05	50101035
4,968,600 2.88			01/07/1998 14/12/1998		VIS SA (CR)	0.99	¬	0.99 21/11/2019			1800@0.895	1102@1.08		2018				4,918.91	0.645	1.04	50203030
8,418,750 0.300	0.3	0.28	0.32 12/06/2019 27/06/2012		GEKE SA (CB)	4.96		4.96 21/11/2019			1@4.96	150@5.40	13.76	2018				41,757.00	4.6	5.4	40501025
15,000,000 0.300			06/07/2007 18/07/2000		DAIOS PLASTICS SA (CR)	3	¬	3 21/11/2019			500@2.86	300@3.20						45,000.00	2.62	3.2	50203015

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

Year: 140 Trading Day No: 223

Friday, 22 November, 2019

Section 2. Analytic	i iguico	01 0110	ares Transaction																	ı maa	,, 22 110		CI, 2017
Number of Outstanding Securities Nominal Value		vidends [ 2017	1] Date of Las 2018 Dividend [2]	st Coupon Right	Note	Shares	Closing price	% change	Previous closing price/date	Open price	Price Price Las min max pric			Last Ask [7]	P/E after	Year	Volume	Trades	Transactions Value[8]	Company Mk Value (thou. €			r Sector[ h 4]
27,848,000 0.300		0.0034	20/08/2018	3 02/09/2003		NEWSPHONE HELLAS SA (CR)	0.48	4.35 #	0.46 21/11/2019	0.494	0.436 0.494 0.	.48	0.443 500@0.422	980@0.480			1,940	8	859.48	13,367.04	0.326	0.515	15102015
3,307,500 0.460			11/08/2010	04/12/2018		ELVE SA (CR)	4.36		4.36 21/11/2019				566@4.36	466@4.76						14,420.70	3.14	4.86	40204020
23,828,130 0.500	0.052	0.06	0.05 22/07/2019	7 17/02/2009		ELINOIL S.A. (CR)	1.9	¬	1.9 21/11/2019				500@1.80	1361@1.90						45,273.45	1.22	1.99	60101020
34,986,430 0.440			25/07/2008	3 23/02/2010		INTERWOOD-XYLEMPORIA (CR)	0.131		0.131 21/11/2019				5000@0.118	5000@0.140						5,481.61	0.072	0.153	50205010
9,742,920 0.400			12/08/2016	14/07/2000		KARAMOLEGOS SA (CR)	1.66		1.66 21/11/2019	1.7	1.64 1.7 1.	.67	1.648 260@1.44	10@1.68			672	7	1,107.32	16,173.25	1.14	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	¬	280 21/11/2019	280	280 280 2	80	280 173@280.00	1@282.00			27	1	7,560.00	772,800.00	240	282	45103010
6,700,000 0.800	0.028	0.028	0.043 24/07/2019	9 29/05/2014		MILLS KEPENOS (CR)	1.6		1.6 21/11/2019				100@1.46		16.65	2018				10,720.00	1.23	1.78	45102020
6,200,000 0.500			22/06/2010	01/11/1995		MINERVA KNITWEAR (CR)	0.28		0.28 21/11/2019	0.28	0.28 0.28 0	.28	0.28	10450@0.308			3,450	2	966.00	1,736.00	0.153	0.314	40204020
21,364,000 1.12		0.2	0.2 29/07/2019	10/08/2005		LAMPSA HOTEL SA (CR)	20	¬	20 21/11/2019				200@19.80							427,280.00	17.4	20.2	40501025
6,340,000 0.600			0.05 31/10/2018	30/11/2018		NAKAS MUSIC	2.1		2.1 21/11/2019				400@2.04	311@2.18	17.70	2017				13,314.00	1.33	2.22	40401030
10,080,000 3.00	0.49	0.45	0.57 02/07/2019	27/08/2001		TPA SA (CR)	26.6	1.92 #	26.1 21/11/2019	26.3	26.3 26.6 2	6.6	26.514 10@26.40	67@26.60	15.63	2018	70	4	1,856.00	268,128.00	23.9	31	50206060
7,070,400 0.930			30/11/2016	06/05/2016		PETROPOULOS PETROS (CR)	7.5	2.04 #	7.35 21/11/2019	7.35	7.35 7.55	7.5	7.417 23@7.50				2,696	14	19,996.50	53,028.00	6.46	7.6	50206015
27,379,200 0.300		0.148	0.294 16/08/2019	9 24/08/2018		CRETE PLASTICS SA (CR)	13.1	0.77 #	13 21/11/2019	13.1	13.1 13.4 1	3.4	13.122 5@13.40	550@13.40			270	2	3,543.00	358,667.52	9.85	13.6	50203015
255,494,534 3.00	0.2	0.22	0.286 20/06/2019	23/12/2015		PRODEA (CR)	5.9		5.9 21/11/2019	6	5.9 6	5.9	5.905 117@5.90	81@6.00			402	3	2,373.70	1,507,417.75	4.4	6.45	35102000
4,181,450 0.500			21/08/2000	05/03/2002		FLOUR MILLS SARANTOPOULOS SA	3.3	7	3.3 21/11/2019					1170@2.98						13,798.79	0.565	3.3	45102020
Exchange Trac	ded F	unds	(FTFs)																				
812,382				15/06/2016		ALPHA ETF FTSE Athex Large Cap	22.63		22.63 21/11/2019				300@17.50								15.86	24.45	12003
Surveillance																							
5,867,311 0.300			11/08/2010	28/04/2017	5123	DIONIC (CR)	0.24		0.24 21/11/2019					1135@0.240						1,408.15	0.175	0.67	50205010
172,577,414 0.300				19/09/2016	5161	Forthnet (CR)	0.46	-0.43 <b>0</b>	E 0.462 21/11/2019	0.46	0.46 0.46 0.	.46	0.46 1507@0.410	3137@0.458			1,000	2	460.00	79,385.61	0.0905	0.5	1510201
355,437,751 0.100			07/07/2010	21/09/2017	5160	FRIGOGLASS SA (CR)	0.192	-3.03 (	£ 0.198 21/11/2019	0.198	0.192 0.198 0.1	92	0.194 708@0.192	24337@0.195			54,680	21	10,581.14	68,244.05	0.0855	0.224	50204000
51,081,030 1.00			20/08/2007	7 03/09/2007	4912	LAVIPHARM SA (CR)	0.206	-1.91 (	E 0.21 21/11/2019	0.186	0.186 0.206 0.2	04	0.206 1000@0.200	1054@0.204			1,202	8	247.37	10,522.69	0.11	0.38	2010301
4,419,616 1.58						MEDICON S.A (CR)	1.97	-0.50 <b>(</b>	1.98 21/11/2019	1.97	1.97 1.97 1.	.97	1.97 600@1.70	340@1.97			500	1	985.00	8,706.64	1.2	2.3	20102010
14,967,940 0.500			21/05/2008	3 04/01/2008	4956	PASAL DEVELOPMENT S.A. (CR)	0.106		0.114 21/11/2019		0.106 0.114 0.1	06	0.107 6000@0.108	50@0.114			12,000	8	1,280.00	1,586.60	0.07	0.3	3510101
65,326,268 0.530			04/07/2007	7 19/07/2006	4750	SATO SA (CR)	0.03	15.39 #	0.026 21/11/2019	0.029	0.029 0.03 0	.03	0.03 1142@0.030	2059@0.030			14,750	11	437.18	1,959.79	0.016	0.085	40202015
33,301,715 0.320			27/06/2003	8 08/07/2009	5195	AEGEK (CR)	0.0595	2.59 #	0.058 21/11/2019	0.0585	0.0585 0.06 0.05	95	0.06 1600@0.060	3263@0.060			6,800	8	405.20	1,981.45	0.028	0.075	5010101
13,000,000 1.00			01/08/2007	7 07/04/2000	5093	AKRITAS SA (CR)	0.5	7	0.5 21/11/2019	0.47	0.47 0.47 0.	.47	0.47 490@0.472	10@0.500			20	2	9.40	6,500.00	0.16	0.72	5010103
185,373,016 0.300						ANEK LINES SA (CR)	0.056		0.056 21/11/2019		0.0525 0.0525 0.05		0.053 10699@0.054	2800@0.060			2,487	5		10,700.34		0.09	4050101
312,163 0.300						ANEK LINES SA (PR, issue '90)	0.072		0.072 21/11/2019											10,700.34		0.086	40501015
2,969,713 0.300			02/07/2008	3 28/02/2011	4958	ANEK LINES SA (PR, issue '96)	0.1	7	0.1 21/11/2019					111@0.080						10.700.34	0.056	0.12	4050101
4,737,503 0.320						VARANGIS AVEPE S.A. (CR)	0.16		0.16 21/11/2019					5@0.128							0.0385	0.198	40202015
6,330,002 0.300						VARVARESSOS (CR)	0.44							5@0.352		2018				2,785.20		0.44	55101020
17,579,754 4.16						BIOTER SA (CR)	0.044		0.044 21/11/2019				1000@0.042	400@0.053								0.085	50101010
15,878,748 0.480						DOMIKI KRITIS SA (CR)	0.171		0.171 21/11/2019	0.171	0.171 0.171 0.1	71	0.171 7@0.171	900@0.188			15	1	2.57	2,715.27		0.214	50101010
3,961,300 1.28						DUROS SA (CR)	0.228		0.228 21/11/2019					410@0.228		2018			2.07		0.151		40204020
51,754,364 0.300						SELECTED TEXT. IND. ASSOC (CR)	0.25		0.26 21/11/2019	0.26	0.25 0.26 0.	25	0.25 2000@0.220	4207@0.250		2010	52,219	13	13,069.01	12,938.59		0.230	55101020
11,125,110 0.300						EUROCONSULTANTS S.A. (CR)	0.178		0.178 21/11/2019				0.178 149@0.178	1700@0.192			1,601	1	284.98	1,980.27		0.24	50205020
7,125,216 0.650						KRE.KA SA (CR)	0.0405		0.041 21/11/2019		3.170 0.170 0.1		12155@0.049	1700@0.172		2018	7,001	'	204.70		0.103		45102010
7,123,210 0.000			01/07/2003	14/12/1799	+700	KKLIKH JA (UK)	0.0403	7	0.041 21/11/2019				12100@0.049			2010				200.37	0.0275 0	0400	73102010

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Number of Outstanding Securities Nominal Value		dends [1 2017	Date 2018 Divider		Coupon Right Not	Shares	Closing price	% change	Previous closino price/date	Open price			Last Avo	' [7]	Last Ask [7]	P/E after	Year	Volume	Trades	Transactions Value[8]	Company Mk Value (thou. €			ear Sector igh 4]
7,734,375 1.00			09/0	7/2007	07/01/2011 51	12 LIVANIS SA (CR)	0.08	¬	0.08 21/11/201	9					1@0.064						- 618.75	0.032	0.096	4030103
15,842,391 1.51			15/0	7/2009	12/05/2000 51	11 BITROS HOLDING SA (CR)	0.15		0.15 21/11/201	9 0.155	0.15	0.155	0.15	0.152 3000@0.126	500@0.150			1,500	3	227.50	2,376.36	0.084	0.278	5510201
119,596,817 0.040			15/0	7/2008	27/04/2017 51	00 NIKAS SA (CR)	0.5	¬	0.5 21/11/201	9											- 59,798.41	0.32	0.6	4510202
24,319,250 0.300			09/0	7/2002	04/07/2007 51	55 PROODEFTIKH SA (CR)	0.155	10.71 #	0.14 21/11/201	9 0.14	0.14	0.165	0.165	0.155 500@0.148	799@0.165			1,300	4	202.00	3,769.48	0.09	0.248	5010101
245,497,664 0.310			01/0	7/2008	30/07/2012 520	77 SELONDA AQUACULTURE SA (CR)	0.0495	1.02 #	0.049 21/11/201	9 0.048	0.048	3 0.0495	0.0495	0.049 681@0.048	40553@0.050			86,000	22	4,245.80	12,152.13	0.031	0.0776	4510201
10,186,667 1.35			24/0	5/2008	02/02/2016 488	37 SIDMA SA (CR)	0.67	-4.29 <b>Œ</b>	0.7 21/11/201	9 0.7	0.665	5 0.7	0.67	0.678 153@0.675	210@0.690			3,907	7	2,647.64	4 6,825.07	0.204	0.72	5510201
766,000 1.00			01/0	7/2004	11/12/2012 51	73 TRIA ALFA SA (CR)	1.8		1.8 21/11/201	9				100@1.45	344@2.16	55.15	2018				- 1,660.55	1.5	3.18	5510102
245,000 1.00			19/0	7/2010	11/12/2012 51	94 TRIA ALFA SA (PR)	1.15		1.15 21/11/201	9				200@0.950		35.23	2018				- 1,660.55	0.535	2.1	5510102
Suspension St	tatus																							
20,255,805 0.300			22/0	3/2006	02/08/2010 51:	36 AXON HOLDING SA (CR)	0.058		0.058 28/04/201	7											- 1,174.84	0.058	0.058	2010101
21,820,410 0.800			22/0	5/2008	02/08/2011 51	74 EUROMEDICA SA (CR)	0.448		0.448 30/04/201	8											- 9,775.54	0.448	0.448	2010101
66,948,210 0.300			22/0	9/2015	22/09/2015 51	79 FOLLI FOLLIE (CR)	4.8		4.8 24/05/201	8											- 321,351.41	4.8	4.8	4040103
13,191,620 0.620			04/0	3/2010	09/09/2002 52	17 YALCO - CONSTANTINOU SA (CB)	0.0555		0.056 30/09/201	9											- 732.13	0.048	0.178	4020202
14,870,100 0.300			15/0	5/2008	26/09/2011 51:	30 ALPHA GRISSIN S.A. (CR)	0.014		0.014 13/04/201	7											- 208.18	0.014	0.014	1010203
33,930,000 0.300			03/0	7/2006	30/05/2001 486	55 BABIS VOVOS SA (CR)	0.304	¬	0.304 30/03/201	2											- 10,314.72	0.304	0.304	3510101
77,126,446 0.340			23/0	5/2005	18/08/2011 520	06 G.E. DIMITRIOU (CR)	0.0125		0.013 30/04/201	9											- 964.08	0.01	0.028	4020202
6,000,000 0.600			13/0	5/2008	08/04/2004 51	72 EUROBROKERS S.A. (CR)	0.008	¬	0.008 27/04/201	8											- 48.00	0.008	0.008	303020
7,085,888 1.59			02/0	7/1996	06/09/2010 52	16 ELVIEMEK (CR)	2.6		2.6 30/09/201	9					200@3.12						- 18,423.31	2.6	4.7	3510101
24,619,524 0.500			10/10	)/1986	30/12/2002 49	14 KERAMIA-ALLATINI (CR)	0.088		0.088 30/08/201	2											- 2,166.52	0.088	0.088	351010
31,543,600 0.420			19/0	7/2010	19/12/2018 520	05 KRETA FARM SA (CR)	1.085		1.085 30/04/201	9											- 34,224.81	0.6	1.22	4510202
25,179,640 0.600			08/0	3/1994	19/09/2000 51	J.BOUTARIS & SON HOLD. SA (CB)	0.026	¬	0.026 01/10/201	8											- 742.45	0.026	0.026	451010
1,540,000 0.600			08/0	3/1994	19/09/2000 51	J.BOUTARIS & SON HOLD. (PB)	0.057		0.057 01/10/201	8											- 742.45	0.057	0.057	451010
23,935,280 0.300			29/0	5/2009	13/06/2000 51	53 NAYTEMPORIKI PUBLISHING SA(CF	0.107	¬	0.107 02/10/201	7											- 2,561.07	0.107	0.107	4030103
255,459,600 0.300			26/0	6/2000	03/12/2010 510	01 NEL SA (CR)	0.07		0.07 31/08/201	5											- 17,882.17	0.07	0.07	405010
23,463,874 0.800			23/0	5/2003	21/12/1999 49	18 NEORION SA (CR)	0.125	¬	0.125 30/08/201	2											- 2,932.98	0.125	0.125	5020603
18,750,000 0.300			02/0	7/2001	31/12/2012 51	54 PEGASUS PUBLISHING S.A. (CR)	0.089		0.089 02/10/201	7											- 1,668.75	0.089	0.089	4030103
23,743,440 0.300			23/0	5/2008	24/07/2018 52	18 SFAKIANAKIS SA (CR)	0.34		0.34 07/10/201	9											- 8,072.77	0.236	0.392	4040103
100,793,572 0.300			16/0	7/2009	11/02/2016 51	10 TELETIPOS SA (CR)	0.06		0.06 07/03/201	6											- 6,047.61	0.06	0.06	4030103
4,034,950 0.680			01/0	7/2005	30/12/2010 51	71 CHATZIKRANIOTIS & SONS SA (CR)	0.14	7	0.14 27/04/201	8											- 564.89	0.14	0.14	4510202

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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 refered to the number of outstanding shares
- [4] Sectors codification can be found in Appendix A
- 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.
- Transfer to the Surveillance Category as of 31/7/2012. 4912
- 4914 Suspension of trading as of 31/8/2012.
- 4918 Suspension of trading as of 31/8/2012.
- Transfer to the Surveillance Category as from 5/4/2013 4955
- 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
- Transfer to the Surveillance Category as of 8/4/2015. Transfer to the Surveillance Category as from 5/4/2013 5095
- Suspension of trading as of 1/9/2015. 5101

5093

- 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.
- Suspension of trading as of 03/10/2017. 5154
- 5156 Transfer to the Surveillance Category as of 11/12/2017.
- 5160 Transfer to the Surveillance Category as of 15/04/2016.
- 5161 Transfer to the Surveillance Category as of 25/11/2011.
- 5162 Transfer to the Under Supervision Category as of 21/12/2009
- 5165 Transfer to the Surveillance Category as of 15/02/2018
- 5171 Suspension of trading as of 30/04/2018
- 5172 Suspension of trading as of 30/04/2018
- 5174 Suspension of trading as of 02/05/2018.
- 5178 Transfer to the Surveillance Category as of 11/05/2018.
- 5179 Suspension of trading as of 25/05/2018.
- 5190 Transfer to the Surveillance Category as of 10/04/2012.
- 5191 Suspension of trading as of 02/10/2018.
- 5192 Suspension of trading as of 02/10/2018.
- Transfer to the Surveillance Category as of 25/10/2018 5193
- 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.

Daily Official List
Section 2: Shares' Notes

Shares' Notes

Code Note text

5205 - Suspension of trading as of 02/05/2019.
5206 - Suspension of trading as of 02/05/2019.
5207 - Transfer to the Surveillance Category as from 13/05/2019.
5216 - Suspension of trading as of 01/10/2019.

Suspension of trading as of 01/10/2019.

Suspension of trading as of 08/10/2019.

5217

5218

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Section 3: Figures of Securities Transactions	Friday, 22 November, 2019
Securities Blocks Details	

Securities	Block Volume	Price	Block Trade Value	Time of approval	Note
ALPHA BANK (CR)	170,000	1.81	307,700.00	10:30:34	20
JUMBO SA (CR)	25,000	17.90	447,500.00	11:18:22	20
OPAP (CR)	100,000	9.98	998,000.00	16:31:43	20
OTE (CR)	60,000	13.88	832,800.00	17:14:45	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: 223Section 3: Figures of Securities TransactionsFriday, 22 November, 2019

**Shares Rights Details** 

Trading until Last Bid Last Ask Occured Exercise Exercise Price Price Closing Trades Transactions Rights Volume price date from until min Value max

No Rights Transactions.

Securities	Category of Security	Transaction s Volume	Number of Trades	Transactions Value	Note
Securities Forced Sales					
Section 3: Figures of Securities Transactions				Friday, 22 Nove	ember, 2019
Daily Official List				Year: 140 Trading L	Day No: 223

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 List
Section 3: Figures of Securities Transactions
Year: 140 Trading Day No: 223
Friday, 22 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: 223
Section 3: Figures of Securities Transactions	Friday, 22 November, 2019

Exchange Traded Funds (ETFs) Cl	naracteristics									
	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	22/11/2019	5,000	812,382			812,382	18,363,990.00	22.6051	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.

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Section 5: Bonds traded in Fixed Income Assets Market

Friday, 22 November, 2019

#### Convertible Corporate Bonds - Regulated Market

Num Listed Bonds	Nominal price	Issue price	Today's Rate	Exp. Date	Duration (years)	Note	Common	upon Preffered	Tradin g Corporate Bonds	Price m	in Pr	ice max	Closing price	Previous price/	Volume	Transactions Value	Last of Price	order Buy / Se	ell	Date	ear min	Year max
171,268,704	0.30	0.30	1.00	11/10/2025	9		13		1 FORTHNET S.A. (Convertible)						 		1.0000	) E	B 23	3/10/2019	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.

Daily Official List

Section 5: Bonds traded in Fixed Income Assets Market Friday, 22 No

Friday, 22 November, 2019

Year: 140 Trading Day No: 223

#### Non Convertible Corporate Bonds - Regulated Market

Num Listed Bonds	Nominal price	Issue price	Today's Rate	Exp. Date	Duration (years)	Note	Common	oupon Preffered	Tradi g	Corporate Bonds	Accrued Yield.T.Mat Int.	Price min	Price max	Closing price	Previous closing price/date	Volume	Transactions Value	Last orde Price Bu	er uy / Sell	Date	ear min	Year max
175,000	1,000.00	1,000.00	3.40	26/07/2024	5		1		1	ATTICA HOLDINGS S.A. (Non Convertible)	11.6167 2.9370	101.1500	102.4970	101.7927	101.1860 21/11/2019	183,000	188,406.50	101.2000	В	22/11/2019 1	01.1864	103.4000
300,000	1,000.00	1,000.00	3.10	27/06/2022	5		5		1	MYTILINEOS HOLDINGS S.A. (Non Convertible)	13.0889 2.6550	100.5500	100.6000	100.6000	100.5650 21/11/2019	309,000	314,788.99	100.6000	В	22/11/2019 1	00.5647	103.4000
50,000	1,000.00	1,000.00	4.35	20/06/2022	5		5		1	SYSTEMS SUNLIGHT S.A. (Non Convertible)	19.2125 3.5520	101.0000	101.4000	101.0000	101.8770 21/11/2019	256,000	264,404.00	100.8000	В	22/11/2019 9	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)	6.2222 2.8910	100.5300	101.0500	100.7399	100.6570 21/11/2019	212,000	214,887.71	100.8000	В	22/11/2019 1	00.5201	103.5200
25,000	1,000.00	1,000.00	4.95	26/06/2023	5		3		1	B&F COMM. & GARM. INDUS. S.A. (Non Convertible)	21.0375 7.4220	91.0000	91.5000	91.4032	92.2930 21/11/2019	31,000	28,987.16	91.5000	В	22/11/2019 9	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)	1.2500 1.8600	103.4000	103.5000	103.4750	103.3910 21/11/2019	16,000	16,576.00	103.2100	В	22/11/2019 1	00.2726	104.9499
120,000	1,000.00	1,000.00	3.95	04/04/2025	7		4		1	GEK TERNA S.A. (Non Convertible)	5.8153 2.5580	105.8500	105.8500	105.8500	105.8000 21/11/2019	4,000	4,257.26	105.8500	В	22/11/2019 9	99.0000	107.2000
40,000,000	1.00	1.00	5.00	04/10/2021	5		13		1	HOUSEMARKET S.A. (Non Convertible)	0.0074 2.2950	104.2500	104.2500	104.2500	104.2000 21/11/2019	19,728	20,711.66	104.3000	В	22/11/2019 1	01.9500	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)	2.5278 2.2940	101.8200	102.0000	101.8200	102.0000 21/11/2019	50,000	51,090.39	101.8200	В	22/11/2019 1	01.0000	102.7000
200,000	1,000.00	1,000.00	3.60	12/03/2026	7		2		1	AEGEAN AIRLINES S.A. (Non Convertible)	7.5000 2.4520	106.0000	106.0000	106.0000	106.1830 21/11/2019	22,000	23,485.00	104.6710	В	22/11/2019 1	00.3628	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.

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#### **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	, ,	Volume	Transactions Value		Last orde Buy / Sell	
3,000,000	1,000.00	4.38	Actual/Actual	01/08/2022	5		01/08	4.38	1	GGB-FXD-010822-05Y-4.375-1,000							1.0000	В	28/11/2018
2,500,000	1,000.00	3.45	Actual/Actual	02/04/2024	5		02/04	3.45	1	GGB-FXD-020424-05Y-3.450-1.000									
4,355,990,324	1.00	3.50	Actual/Actual	30/01/2023	5		01/02 - 31/01	3.50	1	GGB-FXD-300123-05Y-3.500-1.00				94.5720 13/07/2018			1.0000	В	28/11/2018
5,962,747,327	1.00	3.75	Actual/Actual	30/01/2028	10		/02 - 01/02 - 31/	3.75	1	GGB-FXD-300128-10Y-3.750-1.00				85.4610 13/07/2018			1.0000	В	28/11/2018
6,091,218,404	1.00	3.90	Actual/Actual	30/01/2033	15		/02 - 01/02 - 31/	3.90	1	GGB-FXD-300133-15Y-3.900-1.00				78.6730 13/07/2018			1.0000	В	28/11/2018
4,805,399,486	1.00	4.00	Actual/Actual	30/01/2037	19		/02 - 01/02 - 31/	4.00	1	GGB-FXD-300137-19Y-4.000-1.00				77.0370 13/07/2018			1.0000	В	28/11/2018
4,603,713,186	1.00	4.20	Actual/Actual	30/01/2042	24		/02 - 01/02 - 31/	4.20	1	GGB-FXD-300142-24Y-4.200-1.00				77.7640 13/07/2018			1.0000	В	28/11/2018
550,418,123	1.00	3.00	Actual/Actual	24/02/2023	11		24/02	3.00	1	GGB-FXD-240223-11Y-2.000-1.00				10.0000 22/06/2015			10.0000	В	11/07/2019
445,007,576	1.00	3.00	Actual/Actual	24/02/2024	12		24/02	3.00	1	GGB-FXD-240224-12Y-2.000-1.00				10.0000 22/06/2015					
423,674,226	1.00	3.00	Actual/Actual	24/02/2025	13		24/02	3.00	1	GGB-FXD-240225-13Y-2.000-1.00				10.0000 22/06/2015					
212,292,153	1.00	3.00	Actual/Actual	24/02/2026	14		24/02	3.00	1	GGB-FXD-240226-14Y-2.000-1.00				10.0000 22/06/2015					
160,621,352	1.00	3.00	Actual/Actual	24/02/2027	15		24/02	3.00	1	GGB-FXD-240227-15Y-2.000-1.00				10.0000 22/06/2015					
183,244,055	1.00	3.00	Actual/Actual	24/02/2028	16		24/02	3.00	1	GGB-FXD-240228-16Y-2.000-1.00				10.0000 22/06/2015					
164,802,894	1.00	3.00	Actual/Actual	24/02/2029	17		24/02	3.00	1	GGB-FXD-240229-17Y-2.000-1.00				10.0000 22/06/2015					
165,460,943	1.00	3.00	Actual/Actual	24/02/2030	18		24/02	3.00	1	GGB-FXD-240230-18Y-2.000-1.00				10.0000 22/06/2015					
129,007,241	1.00	3.00	Actual/Actual	24/02/2031	19		24/02	3.00	1	GGB-FXD-240231-19Y-2.000-1.00				10.0000 22/06/2015					
126,192,683	1.00	3.00	Actual/Actual	24/02/2032	20		24/02	3.00	1	GGB-FXD-240232-20Y-2.000-1.00				10.0000 22/06/2015					
146,905,168	1.00	3.00	Actual/Actual	24/02/2033	21		24/02	3.00	1	GGB-FXD-240233-21Y-2.000-1.00				10.0000 22/06/2015					
154,475,606	1.00	3.00	Actual/Actual	24/02/2034	22		24/02	3.00	1	GGB-FXD-240234-22Y-2.000-1.00				10.0000 22/06/2015					
144,429,441	1.00	3.00	Actual/Actual	24/02/2035	23		24/02	3.00	1	GGB-FXD-240235-23Y-2.000-1.00	***			10.0000 22/06/2015					
166,211,676	1.00	3.00	Actual/Actual	24/02/2036	24		24/02	3.00	1	GGB-FXD-240236-24Y-2.000-1.00				10.0000 22/06/2015					
145,461,669	1.00	3.00	Actual/Actual	24/02/2037	25		24/02	3.00	1	GGB-FXD-240237-25Y-2.000-1.00				10.0000 22/06/2015					
146,941,087	1.00	3.00	Actual/Actual	24/02/2038	26		24/02	3.00	1	GGB-FXD-240238-26Y-2.000-1.00				10.0000 22/06/2015					
135,115,612	1.00	3.00	Actual/Actual	24/02/2039	27		24/02	3.00	1	GGB-FXD-240239-27Y-2.000-1.00				10.0000 22/06/2015					
141,909,637	1.00	3.00	Actual/Actual	24/02/2040	28		24/02	3.00	1	GGB-FXD-240240-28Y-2.000-1.00				10.0000 22/06/2015					
136,788,720	1.00	3.00	Actual/Actual	24/02/2041	29		24/02	3.00	1	GGB-FXD-240241-29Y-2.000-1.00				10.0000 22/06/2015					
163,643,410	1.00	3.00	Actual/Actual	24/02/2042	30		24/02	3.00	1	GGB-FXD-240242-30Y-2.000-1.00				10.0000 22/06/2015					
4,000,000	1,000.00	3.88	Actual/Actual	12/03/2029	10		12/03	3.88	1	GGB-FXD-120329-10Y-3.875-1.000							100.0000	В	15/10/2019
503,753	1,000.00	0.32 FLR	Actual/360	16/09/2021	2		16/03 - 16/09		1	GGB-FLT-160921-02Y-0.319-1.000									
3,000,000	1,000.00	3.38	Actual/Actual	15/02/2025	7		15/02	3.38	1	GGB-FXD-150225-07Y-3.375-1.000									
250,250	1,000.00	2.90	Actual/Actual	20/03/2023	4		20/03	2.90	1	GGB-FXD-200323-04Y-2.900-1.000									
964,000	1,000.00	3.25	Actual/Actual	20/03/2025	6		20/03	3.25	1	GGB-FXD-200325-06Y-3.250-1.000									
2,100,000	1,000.00	3.55	Actual/Actual	20/03/2026	7		20/03	3.55	1	GGB-FXD-200326-07Y-3.550-1.000									
2,500,000		1.88	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: 223

Section 5: Bonds traded in Fixed Income Assets Market

Friday, 22 November, 2019

#### **Government Bonds**

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

#### **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: 223

Section 5: Bonds traded in Fixed Income Assets Market

Friday, 22 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: 223

Section 5: Government Bonds Traded with the Open Outcry Method

Friday, 22 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 p	orice of us days	Last Out Price	cry in Ca: Buy / Sell	. ,	Trades in Pieces	Life min	Life Max
Corporate	Bonds in Foreig	ın 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		Derivati	ives Market	ATHE	XClear Membe
Address	Phone	Fax	Market Member	Remote Member	Market Maker	Proprietary	Market Maker	General	Direct
. SARRIS SECURITIES S.A.			a	Wellibei	iviakci		IVIDACI	Clearing	Clearing
DRAGATSANIOU ATHINA	+30 2103367700	210-3312324	••						
LPHA BANK A.E.	100 2 10000 7700	210 0012021						а	
), STADIOU STR ATHINA	(210)-3265546	(210)-3265811							
	(210)-3260000	(210)-3264116							
03, AVE. ATHINON ATHINA	+30 2103436820	210-3436270							
LPHA FINANCE INVESTMENT SERVICES S.A.			а		а	а	а		a
MERLIN ATHINA	+30 2103677400	210-33311193							
RGUS STOCKBROKERS LTD			а	а		а			
5 , DIMOSTHENI SEVERI AVE NICOSIA	+357 22717000	0035722717070							
TLANTIC SECURITIES LIMITED			а	а					
, PRODROMOU NICOSIA	+357 22445400	00357 22661914							
KON SECURITIES S.A.			а			а			
B, STADIOU ATHINA	+30 2103363800	210-3243903							
ETA SECURITIES S.A.	20 210/ 470000	210 / 410120	а		а	а			а
ALEXANDRAS AVEN. & VRAILA ATHINA	+30 2106478900	210-6410139							
NP PARIBAS SECURITIES SERVICES  LAMPSAKOU ATHINA	+30 2107468500	210-7468579-581						а	
APITAL SECURITIES S.A.	730 2107400300	210-7-00377-301	а			а			
B, MITROPOLEOS ATHINA	+30 2103369700	+30 210 3369820							
FS SECURITIES-INVESTMENT SERVICES S.A.			а						
PAPARRIGOPOULOU ATHINA	+30 2103360800	+30 210-3360980							
TIGROUP GLOBAL MARKET LTD			а	а					
CITIGROUP CENTER, CANADA SQ., CANARY WHARF LONDON	+44 02079864000								
ITIGROUP GLOBAL MARKETS EUROPE AG			а	а					
, reuterweg frankfurt									
REDIT SUISSE SECURITIES (EUROPE) LIMITED			а	а					
, CABOT SQUARE LONDON	+44 2078888888								
YCLOS SECURITIES S.A.			а			а			а
P, PANEPISTIMIOU ATHINA	+30 2103364300	+30 210-3239122							
EUTSCHE BANK S.A.	44.20.754.54200	004411222/1427		а					
, GREAT WINCHESTER STREET LONDON	+44 20 754 54209	00441133361437	-						-
YNAMIC SECURITIES S.A. SYGROU AVENUE 223 & TRALLEON 2 NEA SMYRNI	+30 2103677700	210-3677777	а			а			а
UROBANK EQUITIES INVESTMENT FIRM S.A	+30 2 103077700	210-3077777	а		a	а	а		а
FILELLINON 10 & XENOFONTOS 13 ATHINA	+30 2103720000	210-3720001	••			•			
UROBANK ERGASIAS S.A.								а	
OTHONOS ATHINA	+30 2103337000	210-3245916							
OTHONOS STR. ATHINA	(210)-3337000	(210)-3233866							
	(210)-3337969	(210)-3245916							
JROCORP INVESTMENT SERVICES S.A.			а			а			а
, FILIKIS ETERIAS SQ, ATHINA	+30 2107263500	2107263666							
JROTRUST INVESTMENT FIRM SA			a						
3, SEVASTOUPOLEOS ATHINA	+30 2103363100	+30 210-3238334							
JROXX SECURITIES S.A.			a		а	а	а		а
PALAIOLOGOU CHALANDRI	(210)-6879400	(210)-6879401							
PALEOLOGOU CHALANDRI	+30 2106879400	210-6879401							
A. PERVANAS SECURITIES-INVESTMENT SERVICES CO S.A.			а						
9, SOFOKLEOUS ATHINA	+30 2103727200	210-3210-291							
LOBAL CAPITAL SECURITIES AND FINANCIAL SERVICES LTD	257 2074074	257 2222222	а	а					
), AVE. ARCHIEPISKOPOU MAKARIOU NICOSIA	+357 22710710	357 22339332		-					
ELLENIC BANK (INVESTMENTS) LTD  AVE.KYRIAKOU MATSI 31 - PO BOX 24747 NICOSIA	+357 22500100	357 22500110		а					
ELLENIC-AMERICAN SECURITIES S.A.	T337 ZZ300100	337 22300110	а		a	а			а
, ANDREA PAPANDREOU ATHINA	+30 2103311100	+30 210-3215968	а		4	a			a
SBC FRANCE	750 2105511100	. 30 210 3213700						а	
9-111, AVE. MESOGION ATHINA	+30 2106960000	210-6929336						•	
DEX SECURITIES S.A.	.00 2100700000	2.5 0727000	а						
DRAGATSANIOU ATHINA	+30 2103213920	+30 210-3213216	_						
CHR. MAVRIKIS SECURITIES S.A.			а						
SOFOKLEOUS ATHINA	+30 2103216730	210-3217767							
APPA SECURITIES S.A.			а			а			
5, VALAORITOU ATHINA	+30 2103678600	+30 210-3641002							

## Athex & ATHEXClear Members List

lember Name				Stock Market		Derivati	ives Market	ATHE	XClear Membe
ddress	Phone	Fax	Market Member	Remote Member	Market Maker	Proprietary	Market Maker	General Clearing	Direct Clearing
ARAMANOF SECURITIES AND INVESTMENT SERVICES S.A.			а			а			
, SQ. AGION THEODORON ATHINA	+30 2103212947	+30 210-3217088							
AIKI FINANCIAL SERVICES LTD				а					
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							
ERIT SECURITIES S.A			а		а	а			а
SOFOKLEOUS ATHINA	+30 2141008800	210-3671830							
ERRILL LYNCH INTERNATIONAL			а	а					
, KING EDWARD STREET LONDON	+44 20276281000								
. CHRYSSOCHOIDIS STOCK BROKERAGE I.S.S.A.			а			а			а
9, SOFOKLEOUS ATHINA	+30 2103213913	+30 210-3216115							
ATIONAL BANK OF GREECE S.A.			а		а	а		а	
8, AKADIMIAS STR. ATHINA	(210)-3328817	(210)-3328678							
6, AIOLOU STR. ATHINA	(210)-3341000	(210)-3228187							
ATIONAL SECURITIES S.A			а		а	а	а		
5, KIFISIAS AVE , BUILDING A ATHINA	+30 2107720000	+30 210-7720002							
UNTIUS BROKERAGE AND INVESTMENT SERVICES S.A			а						
DRAGATSANIOU ATHINA	+30 2103350599	+30210-3254846							
NE PLUS CAPITAL LIMITED			а	а					
75 PRODROMOU AVENUE, ONEWORLD PARKVIEW HOUSE, 3RD FI	_OOR35M22873760								
PTIMA BANK S.A.			а		а	а	а	а	
2 , EGIALIAS & PARADISOU MAROUSI	+30 2108173111	+30 210-6896325							
ANTELAKIS SECURITIES S.A.			а		a	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 ATHINA	+30 2103335000	210-3335079							
RAEUS SECURITIES S.A.			а		а	а	а		а
), STADIOU ATHINA	+30 2103354100	210-3354170							
ROCHOICE SECURITIES LTD			а	а					
7, SPYROY KYPRIANOY NICOSIA	+357-24-661192	+357-24-662464							
HARELINK SECURITIES-FINANCIAL SERVICES LTD			а	а		а			
, THEOTOKI MEGARO ELLINA NICOSIA	+357 22554200	+357 22750852							
OCIETE GENERALE S.A.			а	а		а			
17 COURS VALMY 92987 PUTEAUX - LA DEFENSE PARIS	+33 157290504	+33142138697	_						
OLIDUS SECURITIES S.A	.00 .07270004	.00.12100077	а			а			а
I, LOUIZIS RIANCOUR ATHINA	+30 2106900600	210-6985421	_						
T. EM. LAVRENTAKIS SECURITIES S.A.	. 55 2 156 76 66 66	210 0,00421	а			а			
9, SOFOKLEOUS ATHINA	+30 2103213336	+30 210-3246572	a			•			
HE CYPRUS INVESTMENT & SECURITIES CORPORATION LTD	. 50 2 1032 13330	. 30 2 10 32 103 12	а	а					
54, LIMASSOL AVENUE, STROVOLOS NICOSIA	+357 22121700	357 22338800	а	a					
BS LIMITED	F337 ZZ IZ I700	337 22330000		а					
, FINSBURY AVENUE LONDON	+44 2075687135			a					

Daily Official List
Section 6: Additional Infos
Year: 140 Trading Day No: 223
Friday, 22 November, 2019

#### List of Stocks under Market Making operations

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

#### 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
HELLENIC 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
(TINOS HELLAS SA (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	01/04/2019
EUROBANK EQUITIES INVESTMENT FIRM S.A	25/02/2019
NATIONAL SECURITIES S.A	24/07/2019
NTERCONTINENTAL (CR)	Main Market
LEON DEPOLAS SECURITIES S.A.	03/06/2019
NTRACOM HOLDINGS (CR)	Main Market
LEON DEPOLAS SECURITIES S.A.	08/10/2018
NTRALOT (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	18/12/2017
EUROXX SECURITIES S.A.	12/06/2017
HELLENIC-AMERICAN SECURITIES S.A.	30/05/2018
PANTELAKIS SECURITIES S.A.	07/05/2018
PIRAEUS SECURITIES S.A.	28/09/2013
UMBO SA (CR)	Main Market
MERIT SECURITIES S.A	06/11/2017
PIRAEUS SECURITIES S.A.	06/03/2017
ARAMOLEGOS SA (CR)	Main Market
EUROXX SECURITIES S.A.	04/10/2019
LOUKINAS - LAPPAS SA (CR)	Main Market
BETA SECURITIES S.A.	22/09/2014
RI-KRI S.A. (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	07/05/2018
LEON DEPOLAS SECURITIES S.A.	16/01/2017
	Main Market
AMDA DEVELOPMENT SA (CR)	
EUROBANK EQUITIES INVESTMENT FIRM S.A	08/12/2014
PANTELAKIS SECURITIES S.A.	06/11/2017
PIRAEUS SECURITIES S.A.	29/06/2017
AMPSA HOTEL SA (CR)	Main Market
LEON DEPOLAS SECURITIES S.A.	16/01/2017
IARFIN INVESTMENT GROUP (CR)	Main Market
PIRAEUS SECURITIES S.A.	02/02/2013
ILS MULTIMEDIA SA (CR)	Main Market
PIRAEUS SECURITIES S.A.	01/08/2019
IOTOR OIL (CR)	Main Market
HELLENIC-AMERICAN SECURITIES S.A.	01/09/2014
LEON DEPOLAS SECURITIES S.A.	01/04/2019
MERIT SECURITIES S.A	25/02/2019
NATIONAL SECURITIES S.A	17/02/2014
PIRAEUS SECURITIES S.A.	04/05/2015
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

Daily Official List
Section 6: Additional Infos
Year: 140 Trading Day No: 223
Friday, 22 November, 2019

#### List of Stocks under Market Making operations

Securities	Stock Category
Market Maker	Start Market Making
IATIONAL 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 HELLENIC-AMERICAN SECURITIES S.A.	24/10/2012 25/07/2014
MERIT SECURITIES S.A	20/03/2017
NATIONAL SECURITIES S.A	
	15/01/2013
PIRAEUS SECURITIES S.A.	04/05/2015 Main Market
TE (CR)  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
EUROBANK EQUITIES INVESTMENT FIRM S.A	01/04/2019
PIRAEUS 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
PLAISIO 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
UEST HOLDINGS (CR)	Main Market
BETA SECURITIES S.A.	26/03/2018
EUROBANK EQUITIES INVESTMENT FIRM S.A	28/01/2019
PIROY AGRICULTURE SA (CR)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	02/09/2019
HRACE PLASTICS SA (CR)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	26/03/2018
EUROBANK EQUITIES INVESTMENT FIRM S.A	26/03/2018
ITAN CEMENT (CB)	Main Market
EUROBANK EQUITIES INVESTMENT FIRM S.A	07/11/2019
IOHALCO SA/NV (CB)	Main Market
ALPHA FINANCE INVESTMENT SERVICES S.A.	17/02/2014
EUROBANK EQUITIES INVESTMENT FIRM S.A	01/01/2017
MERIT SECURITIES S.A	17/03/2014

Daily Official List

Year: 140 Trading Day No: 223

Section 7: Index Futures Friday, 22 November, 2019

	Unde	erlying	Asset			Derivatives Market													
Price max	Price	e min Clo	osing price	change	Delivery Month	Open price	Price max	Price min	Last price	Closing price	Last Bid	Last Ask	Fixing pr	ice*	Life high	Life low	Trades	Volume	Open Interest
FTSE/Ath	hex L	arge C	Сар																(Trade Unit: 1 Index Point x 2€, Cash Settlement)
2,230.21	2,20	1.84	2,230.21	1.29%	December 2019	2,213.00	2,234.50	2,208.00	2,234.50	2,234.50					2,252.25		124	417	10,899
					January 2020	2,212.50	2,230.00	2,210.00	2,230.00	2,230.00					2,248.75		14	17	192
					February 2020					2,213.00									
					March 2020					2,216.50									<b></b>
					June 2020					2,227.75									
					September 2020					2,238.75									

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>

Section 7: Stock Futures Friday, 22 November, 2019

					tives Market	Deriva									<b>Underlying Asset</b>				
Open Interest	Volume	Trades	)W	Life high Life low	Fixing price*	Last Ask	Last Bid	orice Closing price		rice min La	rice max P	Open price Pr	Delivery Month	Price max Price min Closing price change					
(Contract Size: 100 Securities, Physical D												-		A. (CR)	DING S.	TO) HOL	DMIE (IF		
7,522	5	1		2.25				2.18	2.18	2.18	2.18	2.18	December 2019	0.46%	2.19	2.165	2.19		
								2.19					March 2020						
								2.21					June 2020						
								2.22					September 2020						
(Contract Size: 100 Securities, Physical D																ANK (CR)	LPHA B		
61,371	3,794	314		1.99				1.88	1.88	1.80	1.89	1.83	December 2019	4.71%	1.89	1.793	1.89		
1				1.65				1.82					March 2020						
								1.83					June 2020						
								1.84					September 2020						
(Contract Size: 100 Securities, Physical D															(CR)	ANK S.A.	TTICA E		
7,475	10	2		0.468				0.437	0.437	0.437	0.437	0.437	December 2019	-0.46%	0.43	0.42	0.4375		
								0.435					March 2020						
								0.437					June 2020						
								0.439					September 2020						
(Contract Size: 100 Securities, Physical D																G (CR)	CC HBC A		
766	56	33		31.38				28.90	28.90	28.40	29.10	28.40	December 2019	2.37%	28.91	28.48	29.05		
								28.43					March 2020						
								28.57					June 2020						
								28.71					September 2020						
(Contract Size: 100 Securities, Physical D														)	GS (CB)	' HOLDIN	ENERG'		
7,758	159	25		1.46				1.33	1.33	1.30	1.33	1.33	December 2019	-0.75%	1.32	1.3	1.33		
								1.34					March 2020						
								1.35					June 2020						
								1.35					September 2020						
(Contract Size: 100 Securities, Physical D																R (CR)	LLAKTO		
20,421	408	65		2.27				1.72	1.72	1.70	1.72	1.70	December 2019	0.00%	1.71	1.69	1.71		
								1.72					March 2020						
								1.73					June 2020						
								1.74					September 2020						
(Contract Size: 100 Securities, Physical D														R)	SIAS (CI	IK ERGA	.UROBA		
35,529	1,423	58		0.994				0.960	0.960	0.948	0.970	0.969	December 2019	-0.26%	0.9575	0.946	0.972		
								0.966					March 2020						
								0.971					June 2020						
								0.976					September 2020						

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>

Hellenic Exchanges – Athens Stock Exchange S.A.

Section 7, 1/4

Section 7: Stock Futures Friday, 22 November, 2019

						atives Market	Deriva								<b>Underlying Asset</b>			
Open Interest	Volume	des	Trades	ife low	Life high Lif	Fixing price*	Last Ask	Last Bid	ing price	Last price Closing price		rice max P	Open price Pr	Delivery Month	Price max Price min Closing price change			
(Contract Size: 100 Securities, Physical Del																	A. (CR)	YDAP S
389	83	19	19		8.18				7.55	7.55	7.47	7.64	7.47	December 2019	1.77%	7.47	7.34	7.65
									7.39					March 2020				
									7.43					June 2020				
									7.46					September 2020				
(Contract Size: 100 Securities, Physical Del																	(CR)	OURLIS
197	5	4	4		5.60				5.53	5.53	5.50	5.53	5.51	December 2019	0.74%	5.48	5.46	5.6
									5.48					March 2020				
									5.50					June 2020				
<del></del>									5.53					September 2020				
(Contract Size: 100 Securities, Physical Del																	NA (CR)	GEK TER
10,477	55	13	13		6.98				6.93	6.93	6.85	6.96	6.96	December 2019	0.00%	6.94	6.84	6.94
									6.99					March 2020				
									7.02					June 2020				
									7.06					September 2020				
(Contract Size: 102 Securities, Physical Del															.S.E. (CR)	NGES-A.	EXCHA	HELLENI
2,662					4.90				4.50					December 2019	0.89%	4.53	4.48	4.53
									4.52					March 2020				
									4.54					June 2020				
									4.57					September 2020				
(Contract Size: 100 Securities, Physical Del															:R)	EUM (C	PETRO	HELLENI
2,166	45	16	16		9.40				8.68	8.68	8.60	8.70	8.68	December 2019	0.23%	8.65	8.58	8.7
<u></u>									8.69					March 2020				
									8.73					June 2020				
									8.77					September 2020				
(Contract Size: 100 Securities, Physical Del															?)	NGS (CR	M HOLDI	NTRACC
3,800					1.08				0.884					December 2019	0.45%	0.887	0.878	0.898
					1.01				0.889					March 2020				
									0.893					June 2020				
									0.898					September 2020				
(Contract Size: 100 Securities, Physical Del																	Γ (CR)	NTRALO
6,092	69	12	12		0.522				0.409	0.409	0.409	0.422	0.410	December 2019	0.25%	0.406	0.406	0.417
									0.408					March 2020				
									0.410					June 2020				
									0.412					September 2020				

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>

Hellenic Exchanges – Athens Stock Exchange S.A.

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Section 7: Stock Futures Friday, 22 November, 2019

rivatives Market	
Life high Life low Fixing price" Trades Volume	Open Interest
(Contra	act Size: 100 Securities, Physical Delive
18.80 136 235	477
(Contra	act Size: 100 Securities, Physical Delive
8.96 235 921	1,775
(Contra	act Size: 100 Securities, Physical Delive
0.160 12 235	79,983
0.110	500
(Contra	act Size: 100 Securities, Physical Delive
22.30 8 13	583
(Contra	act Size: 100 Securities, Physical Delive
10.34 38 100	12,843
(Contra	act Size: 100 Securities, Physical Delive
3.14 250 4,038	39,586
(Contra	act Size: 100 Securities, Physical Delive
10.05 78 271	7,021
	7,021

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>

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

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Section 7: Stock Futures Friday, 22 November, 2019

					ivatives Market	Deriv									<b>A</b> sset	Inderlying	
Open Interest	Volume	Trades	nigh Life low	Life high	Fixing price*	Last Ask	Last Bid	ing price	st price Clos	rice min Las	rice max P	Open price Pr	Delivery Month	change	losing price	Price min C	Price max
(Contract Size: 100 Securities, Physical Delive																	OTE (CR
2,147	33	9	 13.97	13.97				13.90	13.90	13.84	13.93	13.84	December 2019	0.58%	13.88	13.79	13.94
			 					13.89					March 2020				
			 					13.96					June 2020				
			 					14.03					September 2020				
(Contract Size: 100 Securities, Physical Delive																. (CR)	P.P.A. S.
726	3	1	 24.17	24.17				23.00	23.00	23.00	23.00	23.00	December 2019	0.66%	23	22.9	23
			 					23.00					March 2020				
			 					23.12					June 2020				
			 					23.23					September 2020				
(Contract Size: 100 Securities, Physical Deliver															R)	BANK (C	PIRAEUS
29,883	1,157	141	 3.20	3.20				3.12	3.12	3.07	3.13	3.13	December 2019	0.59%	3.09	3.054	3.114
			 					3.09					March 2020				
			 					3.11					June 2020				
			 					3.12					September 2020				
(Contract Size: 100 Securities, Physical Deliver																	PPC (CR
15,939	249	35	 3.28	3.28				3.14	3.14	3.11	3.15	3.12	December 2019	0.58%	3.122	3.1	3.142
			 					3.12					March 2020				
			 					3.14					June 2020				
			 					3.16					September 2020				
(Contract Size: 100 Securities, Physical Deliver															R)	NERGY (C	TERNA E
4,809	51	16	 8.17	8.17				7.40	7.40	7.40	7.42	7.40	December 2019	0.00%	7.4	7.33	7.44
			 					7.45					March 2020				
			 					7.49					June 2020				
			 					7.52					September 2020				
(Contract Size: 100 Securities, Physical Deliver															3)	MENT (CI	TITAN C
68	1	1	 19.04	19.04				18.52	18.52	18.52	18.52	18.52	December 2019	1.74%	18.7	18.44	18.7
			 					18.50					March 2020				
			 					18.60					June 2020				
<u>-</u>			 					18.69					September 2020				
(Contract Size: 100 Securities, Physical Deliver															(CB)	O SA/NV	/IOHAL
6,323	5	1	 4.23	4.23				3.68	3.68	3.68	3.68	3.68	December 2019	1.37%	3.7	3.65	3.7
			 					3.67					March 2020		- 1		
			 					3.69					June 2020				
			 					3.71					September 2020				

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>

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FTSE/Athex Large Cap

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

		go o	•				C	all Option	ns															Put O	ptions						
				Decem	ber 2019						Januar	•			Other Months				Decem	ber 2019						Janua	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 O	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
1,450	0.00	0.00	0.00	-	751.00	-	-	-	-	-	-	-		-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-			-		1,450
1,475	0.00	0.00	0.00	-	726.00	-	-	-	-	-	-	-				0.00	0.00	0.00	-	0.01	-		-	-	-	-	-	-	-		1,475
1,500	0.00	0.00	0.00	-	701.00		-	-	-		-	-				0.00	0.00	0.00	-	0.01	-		-	-		-	-		-		1,500
1,525	0.00	0.00	0.00	-	676.00	-	-	-	-	-	-	-	-			0.00	0.00	0.00	-	0.01		-	-	-	-	-	-	-	-		1,525
1,550	0.00	0.00	0.00	-	651.00		-	-	-		-	-				0.00	0.00	0.00	-	0.01	-		-	-		-	-	-	-		1,550
1,575	0.00	0.00	0.00	-	626.00	-	-	-	-	-	-	-	-			0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-	-	-		1,575
1,600	0.00	0.00	0.00	-	601.00		-	-	-		-	-				0.00	0.00	0.00	-	0.01	-		-	-		-	-		-		1,600
1,625	0.00	0.00	0.00	-	576.00	-	-	-	-	-	-	-	-			0.00	0.00	0.00	-	0.01		-	-	-	-	-	-	-	-		1,625
1,650	0.00	0.00	0.00	-	551.00	-	-	-	-	-	-					0.00	0.00	0.00	-	0.01	-		-	-	-	-		-	-		1,650
1,675	0.00	0.00	0.00	-	526.00	-	-	-		-	-	-				0.00	0.00	0.00	-	0.01	-		-	-	-		-	-	-		1,675
1,700	0.00	0.00	0.00	-	501.00		-	-	-		-	-				0.00	0.00	0.00	-	0.01	-		-	-		-	-		-		1,700
1,725	0.00	0.00	0.00	-	476.00		-		-	-				-		0.00	0.00	0.00	-	0.01	-			-	-	-	-		-		1,725
1,750	0.00	0.00	0.00	-	452.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.01	-		-	-	-	-	-	-	-		1,750
1,775	0.00	0.00	0.00		427.00		-	-	-	-		-		-		0.00	0.00	0.00	-	0.03				-	-		-		-		1,775
1,800	0.00	0.00	0.00	-	402.00	-	-	-	-	-	-	-		-		0.00	0.00	0.00	-	0.01	-	-	-	-	-	-	-	-	-		1,800
1,825	0.00	0.00	0.00		377.00		-	-	-	-	-	-		-		0.00	0.00	0.00	-	0.02	-	-		-	-	-	-	-	-		1,825
1,850	0.00	0.00	0.00	-	352.00	-	-	-	-	-	-	-	-	-		0.00	0.00	0.00	-	0.04	-		-	-	-	-	-	-	-		1,850
1,875	0.00	0.00	0.00		327.00	-	-	-		-	-	-				0.00	0.00	0.00	-	0.09		-		-	-	-	-	-	-		1,875
1,900	0.00	0.00	0.00	-	302.00	-	-	-	-	-	-	-		-		0.00	0.00	0.00	-	0.19	-	-	-	-	-	-	-	-	-		1,900
1,925	0.00	0.00	0.00		277.00		-	0.00	0.00	0.00	-	280.00		-		0.00	0.00	0.00	-	0.38			0.00	0.00	0.00	-	2.80		-		1,925
1,950	0.00	0.00	0.00	-	253.00	-	-	0.00	0.00	0.00	-	257.00	-	-		0.00	0.00	0.00	-	0.72	-		0.00	0.00	0.00	-	4.20	-	-		1,950
1,975	0.00	0.00	0.00		228.00	-	-	0.00	0.00	0.00	-	234.00				0.00	0.00	0.00	-	1.30		-	0.00	0.00	0.00	-	6.10	-	-		1,975
2,000	0.00	0.00	0.00	-	204.00		-	0.00	0.00	0.00	-	211.00		-		0.00	0.00	0.00		2.30	-	-	0.00	0.00	0.00	-	8.60		-		2,000
2,050	0.00	0.00	0.00	-	158.00	-	-	0.00	0.00	0.00	-	169.00				0.00	0.00	0.00	-	6.20		165	0.00	0.00	0.00	-	16.25	-	-		2,050
2,100	0.00	0.00	0.00	-	116.00		63	0.00	0.00	0.00	-	131.00		-		0.00	0.00	0.00	-	14.00	-	124	0.00	0.00	0.00	-	27.75	-	-		2,100
2,150	0.00	0.00	0.00		80.00	-	9	107.00	109.00	107.00	109.00	109.00	21	120		20.00	0.00	11.00	11.00	11.00	86	430	0.00	0.00	0.00	-	44.75	-	40		2,150
2,200	0.00	0.00	0.00	-	51.50		20	0.00	0.00	0.00	-	70.50		-		0.00	0.00	0.00		49.25	-	332	0.00	0.00	0.00	-	67.00		60		2,200
2,250	0.00	0.00	0.00		30.50	-	229	0.00	0.00	0.00	-	48.75				0.00	0.00	0.00	-	78.00		35	0.00	0.00	0.00	-	95.50	-	-		2,250
2,300	16.00	20.00	16.00	20.00	20.00	3	289	0.00	0.00	0.00		32.25	-			110.00	20.00	88.00	88.00	88.00	15	11	0.00	0.00	0.00		129.00	-	41		2,300
2,350	0.00	0.00	0.00	-	8.40	-	20	0.00	0.00	0.00	-	20.50	-			0.00	0.00	0.00	-	156.00	-	20	0.00	0.00	0.00	-	167.00	-			2,350
2,400	0.00	0.00	0.00		3.90		-	0.00	0.00	0.00		12.50				0.00	0.00	0.00		201.00			0.00	0.00	0.00		209.00				2,400
2,450	0.00	0.00	0.00		1.60		-	0.00	0.00	0.00		7.40				0.00	0.00	0.00	-	249.00			0.00	0.00	0.00		253.00	-			2,450
2,500	0.00	0.00	0.00	-	0.63	-	-	0.00	0.00	0.00	-	4.20	-	-		0.00	0.00	0.00	-	298.00	-		0.00	0.00	0.00	-	300.00	-			2,500
•	Totals:					3	630						21	120	0 0						101	1,117						0	141	0 0	
	Number (	of Trades:					3							2	0							10							0	0	

Call Options

Year: 140 Trading Day No: 223 Section 7: Stock Options Friday, 22 November, 2019

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

Put Options

December 2019 January 2020 Other Months December 2019 January 2020 Other Months Closing price Volume Closing price Volume Open Price Price min Last Open Interest Open Price Price min Last Closing price Open Price Price min Last Price Price min Closing price Excerise Excerise Open Interest Open Interest Open Interest Open Last Open Interest Open Interest Volume Volume Volume Volume Price price max price price max price price max price price max price Price 0.000 0.000 0.000 0.000 0.000 0.006 0.600 1.21 0.000 0.001 0.650 0.000 0.000 0.000 1.16 0.000 0.000 0.000 0.001 0.007 0.700 0.000 0.000 0.000 1.11 0.000 0.000 0.000 0.001 0.007 0.000 0.000 0.000 1.06 0.000 0.000 0.000 0.001 0.008 0.750 0.800 0.000 0.000 0.000 1.01 0.000 0.000 0.000 0.001 0.008 0.961 0.850 0.000 0.000 0.000 0.000 0.000 0.000 0.002 0.009 0.900 0.000 0.000 0.000 0.911 0.000 0.000 0.000 0.003 0.009 0.000 0.000 0.000 0.862 0.000 0.000 0.000 0.001 0.010 1.000 0.000 0.000 0.000 0.812 0.000 0.000 0.000 0.001 0.010 0.000 0.000 0.000 0.712 0.000 0.000 0.000 0.001 0.011 1.100 1.200 0.000 0.000 0.000 0.612 0.000 0.000 0.000 0.614 0.000 0.000 0.000 0.001 0.000 0.000 0.000 0.003 0.012 1.300 0.000 0.000 0.000 0.512 0.000 0.000 0.516 0.000 0.000 0.000 0.002 0.000 0.000 0.002 0.013 1.400 0.000 0.000 0.000 0.413 0.000 0.000 0.420 0.000 0.000 0.000 0.001 0.000 0.000 0.000 0.005 0.014 1.500 0.000 0.000 0.000 0.316 0.000 0.000 0.000 0.329 0.000 0.000 0.000 0.004 0.000 0.000 0.000 0.015 0.015 1.600 0.000 0.000 0.000 0.226 0.000 0.000 0.000 0.248 0.000 0.000 0.000 0.013 0.000 0.000 0.000 0.033 0.016 0.000 0.000 0.000 0.017 1.700 0.000 0.000 0.000 0.148 0.000 0.000 0.179 0.000 0.000 0.035 -0.000 0.000 0.064 0.088 0.000 0.000 0.075 1.800 0.000 0.000 0.000 35 0.000 0.000 0.000 0.123 0.000 0.000 0.000 0.000 0.107 0.018 0.000 0.000 0.000 0.048 0.000 0.000 0.000 0.080 0.000 0.000 0.000 0.135 0.000 0.000 0.000 0.019 1.900 5 0.165 0.000 0.000 0.000 0.023 0.000 0.000 0.051 0.000 0.000 0.000 0.210 0.000 0.000 0.235 0.020 2.000 0.004 0.000 0.392 0.022 2.200 0.000 0.000 0.000 0.000 0.000 0.000 0.018 0.000 0.000 0.000 0.000 0.000 0.403 0.590 2.400 0.000 0.000 0.000 0.001 0.000 0.000 0.000 0.005 0.000 0.000 0.000 0.000 0.000 0.000 0.592 0.024 0.000 0.000 2.600 0.000 0.001 0.000 0.000 0.000 0.001 0.000 0.000 0.000 0.790 0.000 0.000 0.000 0.790 0.026 2.800 0.000 0.000 0.000 0.001 0.000 0.000 0.000 0.001 0.000 0.000 0.000 0.990 0.000 0.000 0.000 0.990 0.028 0 40 0 0 0 ٥ Ω n 0 0 Totals: Number of Trades: 0 0 0.00 0 0

Friday, 22 November, 2019

NATIONAL BANK (CR)

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

							С	all Option	ns														Put Opti	ons						
				Decem	ber 2019						January 202			Other Months				Decem	ber 2019						January				Other Mont	15
Excerise Price	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last Closin price	ng price Vol	Open Intere	st Open Inter Volume	est Open price	Price max	Price	min Last price	Closing price	Volume	Open Interest	Open price	Price Pr max	rice min	Last C price	Closing price V	olume	Open Interest	Volume Open Ir	terest Excerise Price
0.650	0.000	0.000	0.000		2.38	-	-								0.000	0.000	0.00	00	0.002	-	-						-	-		0.007
0.700	0.000	0.000	0.000		2.33	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.007
0.750	0.000	0.000	0.000		2.28	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.008
0.800	0.000	0.000	0.000		2.23	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.008
0.850	0.000	0.000	0.000		2.18	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.009
0.900	0.000	0.000	0.000		2.13	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.009
0.950	0.000	0.000	0.000		2.08	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.010
1.000	0.000	0.000	0.000		2.03	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.010
1.100	0.000	0.000	0.000		1.93	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.011
1.200	0.000	0.000	0.000		1.83	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.012
1.300	0.000	0.000	0.000		1.73	-	-								0.000	0.000	0.00	00	0.002	-	-						-	-		0.013
1.400	0.000	0.000	0.000		1.63	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.014
1.500	0.000	0.000	0.000		1.53	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.015
1.600	0.000	0.000	0.000		1.43	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.016
1.700	0.000	0.000	0.000		1.33	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.017
1.800	0.000	0.000	0.000		1.23	-	-						-		0.000	0.000	0.00	00	0.001	-	-						-	-		0.018
1.900	0.000	0.000	0.000		1.13	-	-	0.000	0.000	0.000	1.	.14	-		0.000	0.000	0.00	00	0.001	-	-	0.000	0.000	0.000		0.001	-	-		0.019
2.000	0.000	0.000	0.000		1.03	-	-	0.000	0.000	0.000	1.	.04	-		0.000	0.000	0.00	00	0.001	-	-	0.000	0.000	0.000		0.001	-	-		0.020
2.200	0.000	0.000	0.000		0.834	-	-	0.000	0.000	0.000	0.8	843	-		0.000	0.000	0.00	00	0.002	-	-	0.000	0.000	0.000		0.006	-	-		0.022
2.400	0.000	0.000	0.000		0.637	-	-	0.000	0.000	0.000	0.0	657	-		0.000	0.000	0.00	00	0.004	-	-	0.000	0.000	0.000		0.019	-	-		0.024
2.600	0.450	0.450	0.450	0.450	0.450	10	10	0.000	0.000	0.000	0.	487	- 60		0.000	0.000	0.00	00	0.017	-	550	0.000	0.000	0.000		0.049	-	-		0.026
2.800	0.000	0.000	0.000		0.290	-	5	0.000	0.000	0.000	0.3	344	-		0.000	0.000	0.00	00	0.055	-	-	0.000	0.000	0.000		0.106	-	-		0.028
3.000	0.000	0.000	0.000		0.166	-	-	0.000	0.000	0.000	0.:	230	-		0.000	0.000	0.00	00	0.132	-	-	0.000	0.000	0.000		0.191	-	-		0.030
3.200	0.000	0.000	0.000		0.085	-	10	0.000	0.000	0.000	0.	145	-		0.000	0.000	0.00	00	0.250	-	-	0.000	0.000	0.000		0.306	-	-		0.032
3.400	0.000	0.000	0.000		0.038	-	-	0.000	0.000	0.000	0.0	088			0.000	0.000	0.00	00	0.404	-	-	0.000	0.000	0.000		0.449	-	-		0.034
3.600	0.000	0.000	0.000		0.015	-	-	0.000	0.000	0.000	0.0	051			0.000	0.000	0.00	00	0.581	-	-	0.000	0.000	0.000		0.612	-	-		0.036
3.800	0.000	0.000	0.000		0.006	-	-	0.000	0.000	0.000	0.0	028			0.000	0.000	0.00	00	0.773	-	-	0.000	0.000	0.000		0.790		-		0.038
4.000	0.000	0.000	0.000		0.002	-	-	0.000	0.000	0.000	0.0	015			0.000	0.000	0.00	00	0.970	-	-	0.000	0.000	0.000		0.978	-	-		0.040
4.400	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000	0.0	004			0.000	0.000	0.00	00	1.37		-	0.000	0.000	0.000		1.37		-		0.044
	Totals:					10	25						0 60	0 0						10	550						0	0	0 0	

0.00

Number of Trades:

Year: 140 Trading Day No: 223 Section 7: Stock Options

Friday, 22 November, 2019

OPAP (CR)

OI AI (								Call Option	ons																Put 0	ptions							
				Decemb	er 2019						January	y 2020			Other M	onths				Decemb	er 2019						January	/ 2020			Other Mo	nths	
Excerise Price	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interes	Open price	Price max	Price min	Last price	Closing price Ve	olume (	Open Interest	Volume Op	en 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 Oper		xcerise Price
5.600	0.000	0.000	0.000		4.26	-	-						-	-			0.000	0.000	0.000		0.008	-	-						-	-			0.056
6.000	0.000	0.000	0.000		3.86	-	-						-	-			0.000	0.000	0.000		0.002	-	-						-				0.060
6.400	0.000	0.000	0.000		3.46	-	-						-	-			0.000	0.000	0.000		0.001	-	-						-	-			0.064
6.800	0.000	0.000	0.000		3.06	-	-						-	-			0.000	0.000	0.000		0.001		-						-	-			0.068
7.200	0.000	0.000	0.000		2.66	-	-						-	-			0.000	0.000	0.000		0.001	-	-						-	-			0.072
7.600	0.000	0.000	0.000		2.26	-	-	0.000	0.000	0.000		2.27	-	-			0.000	0.000	0.000		0.001		-	0.000	0.000	0.000		0.001	-	-			0.076
8.000	0.000	0.000	0.000		1.86	-	-	0.000	0.000	0.000		1.88	-	-			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		1.46		-	0.000	0.000	0.000		1.48		-			0.000	0.000	0.000		0.001		-	0.000	0.000	0.000		0.005	-				0.084
8.800	0.000	0.000	0.000		1.07	-		0.000	0.000	0.000		1.10	-				0.000	0.000	0.000		0.004	-		0.000	0.000	0.000		0.023	-				0.088
9.200	0.000	0.000	0.000		0.694	-		0.000	0.000	0.000		0.755					0.000	0.000	0.000		0.029		10	0.000	0.000	0.000		0.076	-				0.092
9.600	0.000	0.000	0.000		0.380	-	5	0.000	0.000	0.000		0.469	-	-			0.000	0.000	0.000		0.115	-	3	0.000	0.000	0.000		0.190	-				0.096
10.000	0.000	0.000	0.000		0.164	-	1	0.000	0.000	0.000		0.261					0.000	0.000	0.000		0.300		-	0.000	0.000	0.000		0.382	-				0.100
11.000	0.000	0.000	0.000		0.006		-	0.000	0.000	0.000		0.034		-			0.000	0.000	0.000		1.15		-	0.000	0.000	0.000		1.16	-	-			0.110
12.000	0.000	0.000	0.000		0.002		-	0.000	0.000	0.000		0.002		-			0.000	0.000	0.000		2.15		-	0.000	0.000	0.000		2.15					0.120
13.000	0.000	0.000	0.000		0.001	-		0.000	0.000	0.000		0.001	-	-			0.000	0.000	0.000		3.15	-		0.000	0.000	0.000		3.15	-				0.130
14.000	0.000	0.000	0.000		0.001			0.000	0.000	0.000		0.001					0.000	0.000	0.000		4.15			0.000	0.000	0.000		4.15					0.140
15.000			0.000		0.001	-			0.000			0.004						0.000			5.15	-		0.000	0.000			5.15					0.150
	Totals:					0	6						0	0	0	0						0	13						0	0	0	0	
	Number o	of Trades	:				0							0	0								0.00							0	0		

Year: 140 Trading Day No: 223 Section 7: Stock Options Friday, 22 November, 2019

OTE (CR)

							(	Call Option	ns															Put Op	otions						
				Decem	ber 2019						January	2020			Other Months				Decem	ber 2019						January	2020			Other Months	
Excerise Price	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last C price	Closing price	Volume	Open Interest	Volume Open Interest	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Volume Open Inter	est Excerise Price
7.600	0.000	0.000	0.000		6.21	-	-						-	-		0.000	0.000	0.000		0.004	-	-						-	-		0.076
8.000	0.000	0.000	0.000		5.81	-	-						-	-		0.000	0.000	0.000		0.001		-						-	-		0.080
8.400	0.000	0.000	0.000		5.41	-							-			0.000	0.000	0.000		0.001		-						-	-		0.084
8.800	0.000	0.000	0.000		5.01	-	-						-	-		0.000	0.000	0.000		0.001		-						-	-		0.088
9.200	0.000	0.000	0.000		4.61	-		0.000	0.000	0.000		4.63	-			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		4.22	-	-	0.000	0.000	0.000		4.23	-	-		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		3.82	-	-	0.000	0.000	0.000		3.83	-	-		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		2.82	-	-	0.000	0.000	0.000		2.83	-	-		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		1.82	-	-	0.000	0.000	0.000		1.84	-	-		0.000	0.000	0.000		0.001		-	0.000	0.000	0.000		0.004	-	-		0.120
13.000	0.000	0.000	0.000		0.838	-	-	0.000	0.000	0.000		0.919	-	-		0.000	0.000	0.000		0.017		71	0.000	0.000	0.000		0.078	-	-		0.130
14.000	0.000	0.000	0.000		0.153	-	82	0.000	0.000	0.000		0.289	-	31		0.000	0.000	0.000		0.333			0.000	0.000	0.000		0.449	-			0.140
15.000	0.000	0.000	0.000		0.005	-	40	0.000	0.000	0.000		0.050	-	-		0.000	0.000	0.000		1.20	-	-	0.000	0.000	0.000		1.22	-	-		0.150
16.000	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000		0.004	-	-		0.000	0.000	0.000		2.20		-	0.000	0.000	0.000		2.20	-	-		0.160
17.000	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000		0.001	-	-		0.000	0.000	0.000		3.20		-	0.000	0.000	0.000		3.20	-	-		0.170
18.000	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000		0.001	-	-		0.000	0.000	0.000		4.20	-		0.000	0.000	0.000		4.20	-	-		0.180
19.000	0.000	0.000	0.000		0.001	-	-	0.000	0.000	0.000		0.001	-	-		0.000	0.000	0.000		5.20		-	0.000	0.000	0.000		5.20	-	-		0.190
	Totals:					0	122						0	31	0 0						0	71						0	21	0 0	_
	Number	of Trades	:				0							0	0							0.00							0	0	

Year: 140 Trading Day No: 223 Section 7: Stock Options Friday, 22 November, 2019

PIRAEUS BANK (CR)

Call Options

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				Decemb						J	January 2020			Other Months				Decemb	per 2019					Ja	nuary 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 Closing pri price	Ce Volume	Open Interest	Volume Open Interest	Open price	Price max	Price min	Last price	Closing price	Volume	Open Interest	Open price	Price Pr max		st Closing pice	rice Volu	Open Intere	t Volume Open Interest	Excerise Price
0.300	0.000	0.000	0.000		2.77	-	-					-			0.000	0.000	0.000		0.001	-						-	-	_	0.003
0.350	0.000	0.000	0.000		2.72	-							-		0.000	0.000	0.000		0.001										0.004
0.400	0.000	0.000	0.000		2.67	-						-	-		0.000	0.000	0.000		0.001	-						-			0.004
0.450	0.000	0.000	0.000		2.62	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-			0.005
0.500	0.000	0.000	0.000		2.57	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.005
0.550	0.000	0.000	0.000		2.52	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.006
0.600	0.000	0.000	0.000		2.47	-	-						-		0.000	0.000	0.000		0.002	-	-					-	-		0.006
0.650	0.000	0.000	0.000		2.42	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.007
0.700	0.000	0.000	0.000		2.37	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.007
0.750	0.000	0.000	0.000		2.32	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.008
0.800	0.000	0.000	0.000		2.27	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.008
0.850	0.000	0.000	0.000		2.22	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.009
0.900	0.000	0.000	0.000		2.17	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.009
0.950	0.000	0.000	0.000		2.12	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.010
1.000	0.000	0.000	0.000		2.07	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.010
1.100	0.000	0.000	0.000		1.97	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.011
1.200	0.000	0.000	0.000		1.87	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.012
1.300	0.000	0.000	0.000		1.77	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.013
1.400	0.000	0.000	0.000		1.67	-	-					-	-		0.000	0.000	0.000		0.002	-	-					-	-		0.014
1.500	0.000	0.000	0.000		1.57	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.015
1.600	0.000	0.000	0.000		1.47	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.016
1.700	0.000	0.000	0.000		1.37	-	-					-	-		0.000	0.000	0.000		0.001	-	-					-	-		0.017
1.800	0.000	0.000	0.000		1.27	-	-						-		0.000	0.000	0.000		0.001	-	-					-	-		0.018
1.900	0.000	0.000	0.000		1.17	-	-	0.000	0.000	0.000	1.18	-	-		0.000	0.000	0.000		0.001	-	-	0.000	0.000	.000	0.003	-	-		0.019
2.000	0.000	0.000	0.000		1.07	-	-	0.000	0.000	0.000	1.08	-	-		0.000	0.000	0.000		0.001	-	-	0.000	0.000	.000	0.00	-	-		0.020
2.200	0.000	0.000	0.000		0.874	-	-	0.000	0.000	0.000	0.881	-	-		0.000	0.000	0.000		0.004	-	-	0.000	0.000	.000	0.004	-			0.022
2.400	0.000	0.000	0.000		0.675	-	-	0.000	0.000	0.000	0.692	-	-		0.000	0.000	0.000		0.002	-	-	0.000	0.000	.000	0.014	-	-		0.024
2.600	0.000	0.000	0.000		0.484	-	-	0.000	0.000	0.000	0.519	-	-		0.000	0.000	0.000		0.010	-	-	0.000	0.000	.000	0.040	-	-		0.026
2.800	0.000	0.000	0.000		0.313	-	10	0.000	0.000	0.000	0.368	-	70		0.000	0.000	0.000		0.039	-	-	0.000	0.000	.000	0.08	-	-		0.028
3.000	0.000	0.000	0.000		0.179	-	1	0.000	0.000	0.000	0.248	-	2		0.000	0.000	0.000		0.105	-	-	0.000	0.000	.000	0.16	-	-		0.030
3.200	0.000	0.000	0.000		0.089	-	-	0.000	0.000	0.000	0.157		-		0.000	0.000	0.000		0.215	-	-	0.000	0.000	.000	0.278	-	-		0.032
3.400	0.000	0.000	0.000		0.038		-	0.000	0.000	0.000	0.095	-			0.000	0.000	0.000		0.364	-		0.000	0.000	.000	0.41	-	-		0.034
3.600	0.000	0.000	0.000		0.014		-	0.000	0.000	0.000	0.055				0.000	0.000	0.000		0.541			0.000	0.000	.000	0.57	-	-		0.036
3.800	0.000	0.000	0.000		0.005	-	-	0.000	0.000	0.000	0.030	-			0.000	0.000	0.000		0.732	-		0.000	0.000	.000	0.752				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		0.930	-		0.000	0.000	.000	0.93	-	-		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		1.33	-	•	0.000	0.000	.000	1.33	-	-		0.044

Daily Official List Year: 140 Trading Day No: 223

Section 7: Stock Options Friday, 22 November, 2019

							C	all Options	S															Put Options							
				Deceml	per 2019						Januai	y 2020			Oth	er Months			Dece	mber 2019					Janu	uary 2020			Oth	ner 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 pric	e Volume	Open Interes	Volum	Open Interest	Open price	Price max	Price min Last price	Closing pric	e Volume	Open Interest	Open price	Price Price max	min Last price	Closing pr	ce Volume	Open Interest	Volume	Open Interest	Excerise Price
	Totals:					0	11						0	72	0	0					0	0					0	50	0	0	
	Number	of Trade:	S:				0							0		0						0.00						0		0	

Year: 140 Trading Day No: 223

Friday, 22 November, 2019

PPC (CR)

								С	all Optio	ns															Put Op	tions						
				Decem	ber 2019							Januar	,			Other Months				Decem	ber 2019						January	2020			Other Months	
Excerise Price	Open price	Price max	Price mir	n Last price	Closing price	Volur	me Ope	en Interest	Open price	Price max	Price min	Last price	Closing price \	/olume	Open Interest	Volume Open Inte	est Open price	Price max	Price m	in Last price	Closing price	Volume	Open Interest	Open price	Price max	Price min	Last ( price	Closing price	Volume	Open Interest	Volume Open Inte	rest Excerise Price
0.900	0.000	0.000	0.000		2.20	-		-						-	-		0.000	0.000	0.000	)	0.001		-						-	-		0.009
0.950	0.000	0.000	0.000		2.15	-		-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.010
1.000	0.000	0.000	0.000		2.10	-		-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.010
1.100	0.000	0.000	0.000		2.00	-		-						-	-		0.000	0.000	0.000	)	0.001	-							-	-		0.011
1.200	0.000	0.000	0.000		1.90	-		-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.012
1.300	0.000	0.000	0.000		1.80			-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.013
1.400	0.000	0.000	0.000		1.70	-		-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.014
1.500	0.000	0.000	0.000		1.60			-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.015
1.600	0.000	0.000	0.000		1.50	-		-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.016
1.700	0.000	0.000	0.000		1.40			-						-	-		0.000	0.000	0.000	)	0.001	-							-	-		0.01
1.800	0.000	0.000	0.000		1.30	-		-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.01
1.900	0.000	0.000	0.000		1.20			-						-	-		0.000	0.000	0.000	)	0.001	-	-						-	-		0.01
2.000	0.000	0.000	0.000		1.10	-		-	0.000	0.000	0.000		1.11	-	-		0.000	0.000	0.000	)	0.001	-	-	0.000	0.000	0.000		0.001	-	-		0.02
2.200	0.000	0.000	0.000		0.904	-			0.000	0.000	0.000		0.910	-	-		0.000	0.000	0.000	)	0.001	-		0.000	0.000	0.000		0.004	-	-		0.02
2.400	0.000	0.000	0.000		0.706	-		-	0.000	0.000	0.000		0.721	-	-		0.000	0.000	0.000	)	0.002	-	-	0.000	0.000	0.000		0.014	-	-		0.02
2.600	0.000	0.000	0.000		0.514	-		-	0.000	0.000	0.000		0.546	-	-		0.000	0.000	0.000	)	0.010	-		0.000	0.000	0.000		0.038	-	-		0.02
2.800	0.000	0.000	0.000		0.341	-		-	0.000	0.000	0.000		0.393	-	-		0.000	0.000	0.000	)	0.037	-	11	0.000	0.000	0.000		0.084	-	-		0.02
3.000	0.000	0.000	0.000		0.202			11	0.000	0.000	0.000		0.270	-	-		0.000	0.000	0.000	)	0.098	-	31	0.000	0.000	0.000		0.161	-	-		0.030
3.200	0.000	0.000	0.000		0.106	-		11	0.000	0.000	0.000		0.175	-	-		0.000	0.000	0.000	)	0.202	-	-	0.000	0.000	0.000		0.266	-	-		0.03
3.400	0.000	0.000	0.000		0.050	-		30	0.000	0.000	0.000		0.107	-	5		0.000	0.000	0.000	)	0.345	-		0.000	0.000	0.000		0.398	-	-		0.034
3.600	0.000	0.000	0.000		0.021	-		5	0.000	0.000	0.000		0.063	-	-		0.000	0.000	0.000	)	0.516	-	-	0.000	0.000	0.000		0.554	-	-		0.03
3.800	0.000	0.000	0.000		0.007			-	0.000	0.000	0.000		0.036	-	-		0.000	0.000	0.000	)	0.704	-	-	0.000	0.000	0.000		0.727	-	-		0.03
4.000	0.000	0.000	0.000		0.002	-		-	0.000	0.000	0.000		0.019	-	-		0.000	0.000	0.000	)	0.900	-	-	0.000	0.000	0.000		0.912	-	-		0.040
4.400	0.000	0.000	0.000		0.001			-	0.000	0.000	0.000		0.005	-	-		0.000	0.000	0.000	)	1.30	-	-	0.000	0.000	0.000		1.30	-	-		0.044
	Totals:					0		57						0	5	0 0						0	42			-	-		0	20	0 0	•
	Number o	of Trades:					0								0	0							0.00							0	0	

			М	ultilateral Tra	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
ADMIEBOR	ADMIE (IPTO) HOLDING S.A. (CR)								115,644
AEGNBOR	AEGEAN AIRLINES (CR)								11,211
ALPHABOR	ALPHA BANK (CR)	23,000							44,435,972
ALMYBOR	ALUMIL (CR)								
TATTBOR	ATTICA BANK S.A. (CR)						5,000	0.01%	370
EEEBOR	CC HBC AG (CR)								70,546
CENERBOR	CENERGY HOLDINGS (CB)								
ELLAKTORBOR	ELLAKTOR (CR)	150							1,898
EUROBBOR	EUROBANK ERGASIAS (CR)	34,182							57,886,517
EYDAPBOR	EYDAP S.A. (CR)	850							232,781
FFGRPBOR	FOLLI FOLLIE (CR)								1,120,847
FOYRKBOR	FOURLIS (CR)								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)								514,512
BELABOR	JUMBO SA (CR)	22,165					***		108,098
LAMDABOR	LAMDA DEVELOPMENT SA (CR)	384					***		5,000
MIGBOR	MARFIN INVESTMENT GROUP (CR)						***		1,659,474
MOHBOR	MOTOR OIL (CR)	4,900					***		48,134
MYTILBOR	MYTILINEOS (CR)	***					***		25,742
ETEBOR	NATIONAL BANK (CR)	5,000							21,651,689
OPAPBOR	OPAP (CR)	3,000					***		1,309,606
HTOBOR	OTE (CR)	5,228			500	3.02%	***		1,123,504
PPABOR	P.P.A. S.A. (CR)	115					***		2,901
TPEIRBOR	PIRAEUS BANK (CR)						***		23,960,475
PLAISBOR	PLAISIO COMPUTERS SA (CR)								1,000
PPCBOR	PPC (CR)	15,000					4,000	0.01%	6,745,256
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: 223

Section 7: Stock Lending Analytic Figures

Friday, 22 November, 2019

			Mι	ultilateral Tran	sactions[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
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.

Market Operation & Development Division - Statistics & Information Services

Daily Official List

Appendix A: Sectors codification for listed companies

Year: 140 Trading Day No: 223

Friday, 22 November, 2019

## Sectors codification for listed companies

	James and the meter demiparity		
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		

