

## **RESOLUTION No. 11**

### **“FTSE/ATHEX MID 40 Stock Index Futures”**

**THE BOARD OF DIRECTORS OF THE  
ATHENS EXCHANGE S.A.  
(Board Meeting of 17-7-2008)**

After having taken into account:

The provisions of articles 3.2.3, 3.2.4.1 and 2.4.4 of the Athens Exchange Rulebook, (hereinafter referred to as the “Rulebook”) and the need to determine the terms of operation of FTSE/ATHEX40 Stock Index Futures.

### **ISSUES THIS RESOLUTION AS FOLLOWS**

#### **SCOPE OF APPLICATION**

The terms hereof define:

- a) The listing specifications for trading (product specifications),
- b) The terms and procedures on the basis of which Series are listed for trading,
- c) The calculation method of the Daily Settlement Price,
- d) The Block Orders for Contracts, and
- e) The terms and conditions for Market Making

of the FTSE/ATHEX MID 40 stock index future contracts (Contracts).

#### **A. LISTING SPECIFICATIONS**

<b><i>Contract Type</i></b>	<i>Standardized futures contracts with cash settlement.</i>
<b><i>Underlying Asset</i></b>	<i>The FTSE/ATHEX MID 40 index</i>
<b><i>Contract Size</i></b>	<i>5 EUR per index point (multiplier).</i>
<b><i>Contract Price (Quote)</i></b>	<i>The buying or selling price of the Contract. The Contract price is quoted in index points.</i>
<b><i>Tick Size</i></b>	<i>0.25 index points, equivalent to 1.25 EUR for all Series.</i>
<b><i>Series</i></b>	<i>At all times there are six (6) Series listed for trading and in particular: a. Three (3) Series of the nearest consecutive months of the monthly cycle, b. Three (3) Series of the nearest months from the March, June, September, and December quarter cycle, not included in the Series listed for trading based on the monthly cycle.  Increase or decrease of the number of Series that are traded is possible according to the relevant procedure as set by ATHEX.  Furthermore, Standard Combinations Series are available for continuous trading between first and second, and second and third expiration months of the aforementioned quarterly cycle.</i>
<b><i>Expiration Year, Month, Day &amp; Time</i></b>	<i>The Expiration Year, Month, Day and Time are defined as the year, month, day and time at which trading of the corresponding futures Series expires.</i>

	<p>The Expiration Day is the third (3<sup>rd</sup>) Friday of the corresponding Expiration Month. In case this day is not a trading day, the Expiration Day should be the preceding trading day. The Expiration Time is 13:45' .</p> <p>The Expiration Time may be changed in case Athens Exchange deems such change necessary for the smooth functioning of the market and the protection of investors' interests.</p>
<b>Last Trading Day</b>	The Expiration Day.
<b>Daily Cash Settlement</b>	<p>The Contracts are subject to Daily Cash Settlement based on the Daily Settlement Price.</p> <p>The payment and reception of the daily cash settlement amounts occurs on the next trading day following the trade date.</p>
<b>Daily Settlement Price</b>	The price that arises from the relative calculation method used by ATHEX for the corresponding Contract.
<b>Paid or Received Daily Cash Settlement Amount</b>	<p>When the Daily Settlement Price of the Contract, per traded Series, is higher than:</p> <ul style="list-style-type: none"> <li>a. The trade price of the Contract, regarding the first Daily Cash Settlement</li> <li>b. The Daily Settlement Price of the immediately preceding trading session, regarding any subsequent Daily Cash Settlement,</li> </ul> <p>the buyer of the Contract is due from the seller, and accordingly the seller is obliged to pay to the buyer the Daily Cash Settlement Amount that arises from the difference between the aforementioned prices.</p> <p>When the Daily Settlement Price of the Contract, per traded Series, is lower than:</p> <ul style="list-style-type: none"> <li>a. The trade price of the Contract, regarding the first Daily Cash Settlement</li> <li>b. The Daily Settlement Price of the immediately preceding trading session, regarding any subsequent Daily Cash Settlement,</li> </ul> <p>the seller of the Contract is due from the buyer, and accordingly the buyer is obliged to pay to the seller the Daily Cash Settlement Amount that arises from the difference between the aforementioned prices.</p> <p>The Daily Cash Settlement Amount is given by:</p> $\text{Daily Cash Settlement Amount} = (D_{\text{settle}} - P_{\text{future}}) \times M$ <p>Where :</p> <ul style="list-style-type: none"> <li>D<sub>settle</sub>: The Daily Settlement Price of the underlying index on the current trading day (expressed with two decimals),</li> <li>P<sub>future</sub> : The trade price of the Contract or the Daily Settlement Price of the immediately preceding trading session</li> <li>M : The multiplier</li> </ul>
<b>Final Settlement</b>	The Final Settlement is cash settlement
<b>Final Settlement Day</b>	The first trading day following the Expiration Day (T+1).
<b>Final Settlement Price</b>	<ol style="list-style-type: none"> <li>1. The Final Settlement Price is defined as the underlying index price on the Expiration Day, as such is calculated by Method 2 (Call Auction), in the ATHEX securities market trading system during the time period between 13:45 and 14:00, for the stocks that participate in the index.</li> <li>2. In case that no trades have occurred for a stock that participates in the index, during the above mentioned time period through the use of Method 2, then in order to calculate the index price with regard to that</li> </ol>

	<p>stock, the Weighted by Traded Volume Average for that particular stock during the twenty (20) minutes period prior to the commencement of the time period for Method 2 mentioned above is taken into account.</p> <p>3. In case that no trades have occurred for that particular stock during the time period of the previous paragraph, then in order to calculate the index price with regard to that stock, the Weighted by Traded Volume Average for that particular stock during the twenty (20) minutes period prior to the time period of the previous paragraph (and up to the time of the opening of the trading session for that particular stock) is taken into account starting from the immediately preceding 20 minutes period.</p> <p>4. In case that no trades have occurred for that particular stock during the time period that is defined in the previous paragraph, then, in order to calculate the index price with regard to that stock, the opening price for that particular stock during the opening of the current trading session of the ATHEX Securities Market is taken into account.</p> <p>5. In case of a change in the Expiration Time due to unforeseen circumstances, ATHEX may change accordingly the time period of the above paragraphs 1 to 3 for the calculation of the Final Settlement Price or define alternative methods for such calculation taking into account the existing circumstances.</p> <p>6. ATHEX announces the Final Settlement Price immediately after its calculation according to the previous paragraphs.</p>
<p><b>Paid or Received Final Cash Settlement Amount</b></p>	<p>When the Final Settlement Price of the contract is higher than the Daily Settlement Price of the immediately preceding trading session, the buyer of the contract receives from the seller, and accordingly the seller is obliged to pay to the buyer the Final Cash Settlement Amount that arises from the difference between the two aforementioned prices.</p> <p>When the Final Settlement Price of the contract is lower than the Daily Settlement Price of the immediately preceding trading session, the seller of the contract receives from the buyer, and accordingly the buyer is obliged to pay to the seller the Final Cash Settlement Amount that arises from the difference between the two aforementioned prices.</p> <p>The Final Cash Settlement amount is given by:</p> <p>Final Cash Settlement Amount = <math>(F_{settle} - P_{future}) \times M</math></p> <p>Where :</p> <p><math>F_{settle}</math> : The Final Settlement Price (expressed with two decimals),</p> <p><math>P_{future}</math> : the Daily Settlement Price of the immediately preceding trading session</p> <p><math>M</math> : The multiplier</p>
<p><b>Settlement Currency</b></p>	<p>Euro (EUR)</p>

**B. SERIES**

**I. Series Name**

The Series name for Contracts includes up to fifteen (15) characters. The Series name design may include special characters, where needed, in order to achieve an appropriate codification of their product specifications.

a) *Name Base*

The Name Base of the Contracts includes up to five (5) characters of the Latin alphabet that represent the underlying asset and in particular FT40M.

b) *Expiration Year*

The Expiration Year of the Contracts is indicated through the last one (1) or two (2) digits of the year at which the Series expire.

c) *Expiration Month*

The Expiration Month of the Contracts is indicated through a letter of the Latin alphabet, according to the following Table of codification:

<b><u>Expiration Month</u></b>	<b><u>Symbol</u></b>
January	A
February	B
March	C
April	D
May	E
June	F
July	G
August	H
September	I
October	J
November	K
December	L

**II. Series listing procedure**

a) *Ordinary Procedure*

New Series are introduced on the trading day that follows the Expiration Day.

b) *Extraordinary Procedure*

ATHEX may introduce new Series in Contracts, independently of the ordinary procedure, if this is deemed necessary for the operation of the Contract or the smooth operation of its trading.

c) *Information*

The Athens Exchange informs immediately the Members and the Information Vendors in any case of new Series admission to trading.

d) *Issue Modifier*

This field is also a character from the Latin alphabet that indicates if any modifications in the initial Product Specifications have occurred during the lifetime of the Contract (for instance

changes of the contract size, or the trade price). The characters X, Y, Z are used as issue modifiers and refer to the 1<sup>st</sup>, 2<sup>nd</sup>, etc modification of the product specifications, respectively.

## **C. METHOD OF CALCULATION OF THE DAILY SETTLEMENT PRICE**

### **Article 1**

#### **Liquid Month Series**

##### **1.1 Definition of Liquid Month Series**

As liquid month Series is defined as the Series with the smallest time until its expiration as long as the remaining days to expiration are more than five (5) days and for which exists a Daily Settlement Price in accordance with the one of the immediately preceding trading session. If no series of which the time to expire is longer than five (5) business days has no Daily Settlement Price arising from the immediately preceding Trading session, as Liquid Month series is defined the series with the shortest time until expiration having a Daily Settlement Price arising from the immediately preceding Trading session. If no series has a Daily Settlement Price arising from the immediately preceding Trading session as Liquid Month Series is defined the Series with the shortest time until expiration.

##### **1.2 Series with open positions until the closing of the immediately preceding trading session**

Regarding Series, other than the liquid month Series, for which open positions exist until the closing of the immediately preceding trading session, the Daily Settlement Price is defined as:

- a. The Weighted Average (WA) of the trades concluded on that particular Series during the last ten (10) minutes prior to the closing of the last trading period through the use of Method 1 (Automatic and Continuous Trade Matching) in the Securities Market of the Athens Exchange with a contract volume higher or equal to ten (10) contracts which is defined for the needs of the present Resolution as the Minimum Contract Number.
- b. If no conclusion of trades has taken place during the time period and Minimum Contract Number defined in the previous paragraph, the Daily Settlement Price of that particular Series on the previous trading day of the Derivatives Market increased by the daily percentage change of the underlying asset..

##### **1.3 Series with no open positions until the closing of the immediately preceding trading session**

**1.3.1.** Regarding Series for which there are no open positions until the closing of the immediately preceding trading session, the Daily Settlement Price is defined as:

- a. The Weighted Average (WA) of the trades concluded on that particular Series during the last ten (10) minutes prior to the closing of the last trading period through the use of Method 1 (Automatic and Continuous Trade Matching) in the Securities Market of the Athens Exchange the contract volume being higher or equal to the Minimum Contract Number.

- b. If no conclusion of trades has taken place and the Minimum Contract Number has not been reached during the time period defined in the previous paragraph, the Weighted Average (WA) of the trades that have been concluded on the relevant Series every ten (10) minutes until the commencement of the trading session, from the closing of the last trading period through the use of Method 1 (Automatic and Continuous Trade Matching) in the Securities Market of the Athens Exchange.
- c. If no conclusion of trades has taken place during the time period defined in the previous paragraph, the Weighted Average (WA) of the trades that have been concluded on the relevant Series during the time period from the end of the last trading period under Method 1 in the Securities Market and up to the end of the Trading session of the Derivatives Market.

**1.3.2.** Regarding Series for which there are no open positions until the end of the immediately preceding trading session of the Derivatives Market, and for which no trades have been concluded during the time period defined in the previous paragraph, the Daily Settlement Price is zero (0).

## **2. Other Series (other than Liquid Month Series)**

### **2.1 Series with open positions until the closing of the immediately preceding trading session.**

Regarding Series other than Liquid Month Series for which open positions exist until the closing of the immediately preceding session, as Daily Settlement Price is defined:

- a) the Weighted Average (WA) of the trades having been effected on the relevant series during the last ten (10') minutes before the end of the trading period under Method 1 in the Securities Market with a contract volume higher or equal to the Minimum Contract Number.
- b) If no conclusion of trades has taken place during the time period provided in the previous paragraph and trades have been concluded during the session, as Daily Settlement Price is defined the algebraic sum of the Daily Settlement Price of the Month Liquidity Series and the calculated price deviation of the relevant series from the Month Liquidity Series based on the price deviation calculation algorithm from the Month Liquidity Series defined in the Annex "Calculation of the Deviation from the Month Liquidity Series" which is attached to the present constituting an inextricable part of it.
- c) If there is no possibility of calculating the deviation for the trades having been concluded in the relevant series from the Month Liquidity Series or no trade has been concluded in the relevant series during the session, the daily settlement price of the immediately following day being increased by the Month Liquidity Series percentage change.

### **2.2. Series without open positions up till the closing of the immediately preceding trading session.**

Regarding Series other than Liquid Month Series for which open positions do not exist until the closing of the immediately preceding session, as Daily Settlement Price is defined:

- a) the Weighted Average (WA) of the trades having been effected on the relevant series during the last ten (10') minutes before the end of the trading period under Method 1 in the Securities Market with a contract volume higher or equal to the Minimum Contract Number.
- b) If no conclusion of trades has taken place during time period provided in the previous indent and the Minimum Contract Number provided in the previous indent does not exist and trades have been concluded during the session, the algebraic sum of the Daily Settlement Price of the Month Liquidity Series and the calculated price deviation of the relevant series from the Month Liquidity Series based on the price deviation calculation algorithm from the Month Liquidity Series defined in the Annex "Calculation of the Deviation from the Month Liquidity Series" which is attached to the present constituting an inextricable part of it.
- c) If there is no possibility of calculating the deviation for the trades having been concluded in the relevant series from the Month Liquidity Series or no trade has been concluded in the relevant series during the session, Weighted Average (WA) of the trades having been effected on the relevant series every ten (10) minutes until the commencement of the trading session, from the closing of the last trading period through the use of Method 1 in the Securities Market of the Athens Exchange.
- d) If no trades have been concluded during the time period provided in the previous indent the Weighted Average (WA) of the trades having been effected during the time period from the end of the last trading period under Method 1 in the underlying Market of ATHEX and until the end of the session of the Derivatives Market.

**2.2.2.** In order for Series for which no open positions exist until the end of the immediately preceding session and no trades have been effected during the time period provided by the previous indent, the Daily Settlement Price is zero.

### **3. Emergency Cases**

In case that the Derivatives Market is closed during the last ten (10) minutes prior to the end of the last trading period under Method 1 in the underlying market of ATHEX, as a result of exceptional circumstances, as for example due to malfunctioning of the Trading System:

- a. With regard to the Liquid Month Series and any other Series on which exist open positions until the end of the last trading session of the Derivatives Market, the Daily Settlement Price is defined as the Daily Settlement Price of the relevant Series on the previous trading session of the Derivatives Market increased by the daily percentage change of the closing price of the underlying.
- b. With regard to Series on which no open positions exist until the end of the last trading session, for the calculation of the Daily Settlement Price the provisions of indents (a) to (c) of paragraph 1.3.1 of article 1.3 concerning the Month Liquidity Series, and of indents (a) to (d) of paragraph 2.2.1 of article 2.2 concerning all the other series hereto are followed.

#### 4. Parameter Modifications

ATHEX and HELEX may modify the parameters used for the calculation of the Daily Settlement Price, as those are defined in the present Resolution as long as, extraordinary events imposing such modification as necessary occur in the markets, (b) or changes happen in the Listing Characteristics of the Contracts, as for example due to corporate actions.

#### D. BLOCK ORDERS

The Block Size of an order includes 100 lots.

Therefore, to achieve order matching in Contracts, each order must include:

- a. in case it is a Single Order, a number of lots that is a multiple of one (1) lot,
- b. in case it is a Block Order, a number of lots that is a multiple of one hundred (100) lots.

#### E. CONDITIONS AND TERMS FOR MARKET MAKING

<b><i>Frequency of Quotes</i></b>	<p><i>Market Makers must:</i></p> <ol style="list-style-type: none"> <li>a. <i>Transmit bid and ask quotes for buying and selling Contracts (continuous obligations) on the two (2) Series with the closest Expiration Months.</i></li> <li>b. <i>Following a quote request in the trading system, transmit bid and ask quotes for buying and selling Contracts on the Series with the third (3<sup>rd</sup>) closest Expiration Month, within three (3) minutes from the quote request (non-continuous obligation). The quote must remain valid in the Trading System for at least twenty (20) seconds.</i></li> </ol> <p><i>Five (5) days prior to the expiration of the closest Series of the Contract, Market Makers must:</i></p> <ol style="list-style-type: none"> <li>a. <i>Transmit bid and ask quotes for buying and selling Contracts (continuous obligations) on the third (3<sup>rd</sup>) closest Expiration Month Series.</i></li> <li>b. <i>Following a quote request in the trading system, to transmit bid and ask quotes for buying and selling Contracts on the Series with the fourth (4<sup>th</sup>) closest expiry, within three (3) minutes from the quote request (non-continuous obligation). The quote must remain valid in the Trading System for at least twenty (20) seconds.</i></li> </ol>												
<b><i>Maximum Price Spread</i></b>	<p><i>The Market Maker is obliged to transmit bid and ask quotes for buying and selling Contracts, as a result of his duties as a Market Maker, so that the spread between the bid and offer price of such quote is not wider than the Maximum Price Spread that is defined in the Table below:</i></p> <table border="1"> <thead> <tr> <th style="text-align: left;"><b>Bid price intervals</b> (in index points)</th> <th style="text-align: center;"><b><u>Continuous</u></b> <b><u>Obligation</u></b> (in index points)</th> <th style="text-align: center;"><b><u>Non-continuous</u></b> <b><u>Obligation</u></b> (in index points)</th> </tr> </thead> <tbody> <tr> <td><i>From 0 to 999,99</i></td> <td style="text-align: center;"><i>10</i></td> <td style="text-align: center;"><i>20</i></td> </tr> <tr> <td><i>From 1000 to 3999,99</i></td> <td style="text-align: center;"><i>20</i></td> <td style="text-align: center;"><i>30</i></td> </tr> <tr> <td><i>Over 4000</i></td> <td style="text-align: center;"><i>30</i></td> <td style="text-align: center;"><i>40</i></td> </tr> </tbody> </table>	<b>Bid price intervals</b> (in index points)	<b><u>Continuous</u></b> <b><u>Obligation</u></b> (in index points)	<b><u>Non-continuous</u></b> <b><u>Obligation</u></b> (in index points)	<i>From 0 to 999,99</i>	<i>10</i>	<i>20</i>	<i>From 1000 to 3999,99</i>	<i>20</i>	<i>30</i>	<i>Over 4000</i>	<i>30</i>	<i>40</i>
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<p><b><i>Minimum Quantity Lot</i></b></p>	<p><i>The Market Maker is obliged to transmit bid and ask quotes for buying and selling Contracts, as a result of his duties as a Market Maker, so that the quantity available in either the bid or the offer are not below ten (10) lots, per order.</i></p>
<p><b><i>Time interval of Market Maker Obligations</i></b></p>	<p><i>Market Makers' obligations are activated five (5) minutes following the termination of the pre-trading session (Method 2) of the underlying market and are de-activated following the termination of the last trading period through the use of Method 1, of the underlying market.</i></p>
<p><b><i>Cases where Market Maker obligations are modified or terminated</i></b></p>	<p><i>In case of an excessive fluctuation of any variable of the underlying market (indicatively, price, traded volume) within a short time interval, of serious technical problems, disruption of the smooth operation or suspension of trading of the underlying market or in case of a major reason due to which the risk undertaken by the Market Maker in order to fulfill his obligations has significantly increased, the Market Operations Directorate, following approval of the Chairman of the Board of Directors of ATHEX, may intervene by either altering the Market Maker obligations or releasing the Market Makers from their quote obligations on particular Series for a time interval that is deemed appropriate.</i></p> <p><i>In that case, the Market Operations Directorate informs the Members for the alteration or lifting of Market Making obligations. In a similar way, relevant information is supplied to the Members for the re-activation of the Market Making obligations, following the time lapse of the announced time interval during which the obligations have either been altered or lifted.</i></p>

<p><b>Penalties in case of non fulfilment of Market Maker obligations</b></p>	<p><i>In case of non-fulfillment of the Market Making obligations, the trading system automatically activates alarms every two (2) minutes from the time of the non-fulfillment of the obligation, with a relevant warning of the Market Maker one (1) minute following the non-fulfillment of the obligation.</i></p> <p><i>In case of non-fulfillment of the Market Making obligations following a quote request, the System activates the aforementioned alarms after an interval of nine (9) minutes from the time of the non-fulfillment.</i></p> <p><i>In case that on a monthly basis:</i></p> <p><i>a. The Market Maker cumulatively exceeds the number of alarms of the following Table, and</i></p> <p><i>b. The average daily volume is below eighty (80) contracts then the following money penalties are activated :</i></p> <table border="0" data-bbox="630 750 1372 985"> <thead> <tr> <th style="text-align: center;"><b>Number of Alarms</b></th> <th style="text-align: center;"><b>Money Penalty</b></th> </tr> </thead> <tbody> <tr> <td>From 0 to 550</td> <td style="text-align: center;">0</td> </tr> <tr> <td>From 551 to 1,100</td> <td style="text-align: center;">0.30 Euros (<i>per alarm</i>)</td> </tr> <tr> <td>From 1,101 to 1,650</td> <td style="text-align: center;">0.40 Euros (<i>per alarm</i>)</td> </tr> <tr> <td>From 1,651 to 2,200</td> <td style="text-align: center;">0.50 Euros (<i>per alarm</i>)</td> </tr> <tr> <td>Over 2,201</td> <td style="text-align: center;">1,500 Euros (<i>fix amount</i>)</td> </tr> </tbody> </table>	<b>Number of Alarms</b>	<b>Money Penalty</b>	From 0 to 550	0	From 551 to 1,100	0.30 Euros ( <i>per alarm</i> )	From 1,101 to 1,650	0.40 Euros ( <i>per alarm</i> )	From 1,651 to 2,200	0.50 Euros ( <i>per alarm</i> )	Over 2,201	1,500 Euros ( <i>fix amount</i> )
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This Resolution shall be into force as from 22.7.2008. From the entry into force of the present Resolution 17/24.11.2005 of the ATHEX Board of Directors, as such is in force, is abolished.

This Resolution is to be immediately posted on ATHEX's website, [www.athex.gr](http://www.athex.gr) .