



November 23, 2016

Via CFTC Portal Submissions

Mr. Christopher Kirkpatrick  
Secretary of the Commission  
Office of the Secretariat  
Commodity Futures Trading Commission  
3 Lafayette Centre  
1155 21<sup>st</sup> Street, N.W.  
Washington D.C. 20581

**RE: Self-Certification Rule Amendments: Nadex Amends its Expiration Value Calculation Process - Submission Pursuant to Commission Regulation §40.6(a)**

Dear Mr. Kirkpatrick:

Pursuant to Section 5c(c)(1) of the Commodity Exchange Act, as amended (“Act”), and section §40.6(a) of the regulations promulgated by the Commodity Futures Trading Commission (the “Commission”) under the Act (the “Regulations”), North American Derivatives Exchange, Inc. (“Nadex”, the “Exchange”) hereby submits to the Commission its intent to amend the process it uses to calculate the expiration value for its non-FX and foreign currency binary and spread contracts, based on the number of underlying trades (for non-FX products) or midpoints (for foreign currency products) collected in the seconds leading up to expiration of the Nadex contract.

Currently, Nadex is calculating its expiration value for its non-FX binary<sup>1</sup> and spread contracts by taking the last 25 trade prices from the corresponding underlying market leading up to expiration of the Nadex contract, removing the highest and lowest 5 trades, and averaging the remaining 15 trade

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<sup>1</sup> For purposes of this filing, non-FX products do not include Bitcoin or Event contracts.

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prices, rounding to one decimal point past the precision of the underlying (with the exception of the Wall Street 30 which is rounded to the precision of the underlying). For foreign currency binary and spread contracts, Nadex calculates the expiration value by taking the last 10 midpoint prices between the bid and offer in the corresponding underlying market leading up to expiration of the Nadex contract, removing the highest and lowest 3 midpoint prices, and averaging the remaining 4 midpoint prices, rounding to one decimal point past the precision of the underlying market. The purpose for the removal of the highest and lowest 5 trades, or 3 midpoints, is to extract any outlier prices from the data set used, thereby excluding underlying trades (or orders) that may skew or potentially manipulate the Nadex expiration value. Nadex is amending its expiration value calculation procedure when 10 or more trades (or midpoints) from the underlying market are collected in the 10 seconds leading up to expiration of the Nadex contract, indicating a highly active underlying market, in order to remove additional outlier prices and provide the best representation of the underlying market.

In instances where more 10 or more trades (or midpoints) are collected in the last 10 seconds leading up to expiration of the Nadex contract, Nadex would use all trades (or midpoints) collected during that period. For non-FX products, the highest 20% and lowest 20% of trades will be removed from the data set. The remaining prices in the data set will be averaged and rounded to one decimal point past the precision of the underlying market (except for the Wall Street 30 which will be rounded to the point of precision of the underlying market). For foreign currency products, the highest 30% and lowest 30% of midpoint prices will be removed from the data set. The remaining prices in the data set will be averaged and rounded to one decimal point past the precision of the underlying market. For both non-FX and foreign currency products, if the removal of the highest and lowest 20% of trades or 30% of midpoints would result in a non-integer number of trade (or midpoint) prices, the number of the number of trade (or midpoint) prices to be removed from the data set will be rounded down to the nearest integer. The expiration value calculation process will remain as it is currently if the time it takes to collect 10 trades (or midpoints) exceeds 10 seconds.

Nadex is making the change to its expiration value calculation procedure when the underlying markets are highly active in the 10 seconds leading up to expiration of the Nadex contracts as it believes using all trades (or midpoints) collected during that period will provide a more accurate representation of the underlying market value at expiration. Additionally, Nadex believes the amended procedure will provide additional protection against potential settlement manipulation by

collecting a larger initial data set and excluding a greater number of outlier prices during active markets leading up to expiration of the Nadex contracts, the most likely time a manipulation attempt might occur.

### **DCM Core Principles**

Nadex has identified the following Designated Contract Market (“DCM”) Core Principles as potentially being impacted by the amendments to the expiration value calculation process: Core Principle 3 Contracts Not Readily Subject to Manipulation; Core Principle 7 Availability of General Information.

Core Principle 3 requires that the DCM list only contracts that are not readily susceptible to manipulation. Nadex uses an expiration value calculation process that removes outlier prices and averages the remaining data set to prevent the potential manipulation of values. The amendments discussed herein would further prevent the potential of manipulation by taking larger set of data just before expiration in active markets, and removing more outlier prices from that set.

Core Principle 7 requires that the DCM make available the terms and conditions of its listed contracts. Nadex currently sets forth the expiration value calculation method in each contract’s specifications in the Rulebook, which is available on the Nadex website. The calculation method used to determine expiration value is also explained on the “What are Binary Options” and “What are Bull Spreads” pages of the Nadex website. Nadex will continue to make this information available to the public in both the Rulebook and on the Nadex website.

Accordingly, the Rule amendments to the expiration value calculation process discussed herein will not negatively impact Nadex’s ability to comply with these Core Principles.

### **DCO Core Principles**

Nadex has identified the following Derivatives Clearing Organization (“DCO”) Core Principles as potentially being impacted by the amendments to the expiration value calculation process: Core Principle 39.21 Public Information.

Core Principle 39.21 requires the DCO to make available to the public the terms and conditions of each contract. As stated previously, Nadex makes available the expiration value calculation method in the Nadex Rulebook, as well as on the Nadex website. Nadex will continue to make this information available to the public by the same means after the amendments to the Rules and calculation method have been implemented. Therefore, the Rule amendments to the expiration value calculation process discussed herein will not negatively impact Nadex's ability to comply with these Core Principles.

Pursuant to the 10-day filing period under Regulation 40.6(a)(3), Nadex intends to implement the amendments discussed herein for trade date December 19, 2016.

Rule changes have been outlined in Exhibit A. The amendments to the Rulebook are set forth in Exhibit B. Any deletions to the Agreement have been stricken out while the amendments and/or additions are underlined.

No substantive opposing views were expressed to Nadex with respect to these amendments.

Nadex hereby certifies that the amendments and additions contained herein comply with the Act, as amended, and the Commission Regulations adopted thereunder.

Nadex hereby certifies that a copy of these amendments was posted on its website at the time of this filing.

Should you have any questions regarding the above, please do not hesitate to contact me by telephone at (312) 884-0927 or by email at [jaime.walsh@nadex.com](mailto:jaime.walsh@nadex.com).

Sincerely,



Jaime Walsh  
Legal Counsel

EXHIBIT A

<b>Rule</b>	<b>Asset</b>	<b>Duration/Close Time</b>	<b>Action</b>	<b>Effective Date</b>
12.2, 12.3	Copper Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.4, 12.5	Gold Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.6, 12.7	Silver Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.8, 12.9	Crude Oil Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.10, 12.11	Natural Gas Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.12, 12.13	Corn Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16

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12.14, 12.15	Soybeans Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.26, 12.27	AUD/USD Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.28, 12.29	EUR/USD Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.30, 12.31	GBP/USD Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.32, 12.33	USD/CAD Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.34, 12.35	USD/CHF Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.36, 12.37	USD/JPY Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.38, 12.39	EUR/JPY Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16

12.40, 12.41	GBP/JPY Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.42, 12.43	EUR/GBP Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.44, 12.45	AUD/JPY Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.48, 12.49	FTSE 100 Future Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.50, 12.51	Germany 30 Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.54, 12.55	Japan 225 Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.57	China 50 Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.58, 12.59	US 500 Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16

12.60, 12.61	US SmallCap 2000 Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.62, 12.63	US Tech 100 Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16
12.64, 12.65	Wall Street 30 Variable Payout and Binary Contracts	All contracts	Amend expiration value calculation process	12/19/16



## EXHIBIT B

Amendment of Rules 12.2 – 12.15, 12.26 – 12.45, 12.48 -12.51, 12.54-12.55, 12.57 – 12.65

*(The following Rule amendments are underlined and deletions are stricken out)*

Rules 1.1 – 12.1 [UNCHANGED]

### RULE 12.2 COPPER VARIABLE PAYOUT CONTRACTS

(a) SCOPE –These Rules shall apply to the Class of Contracts referred to as the Copper Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Copper price per pound (in U.S. cents), obtained from the specified Copper Futures Contracts (“CPFC”) trading in the COMEX Division on the New York Mercantile Exchange (“NYMEX”®)<sup>2</sup>. The CPFC prices that will be used to calculate the Underlying will be taken from the March, May, July, September, or December CPFC delivery months (each a “CPFC Delivery Month”). The Start and End Date for which Nadex will use a specific delivery month as the Underlying will be set based on the Settlement date of the Underlying futures contract. The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the third to last business day of the month preceding the month of the Underlying futures contracts Expiration Date. For example, the Comex Copper March 2014 futures have an Expiration Date of March 27, 2014. The last day on which the Copper March 2014 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Copper contracts will be the third to last business day of the preceding month, February. Therefore, the End Date for using Comex Copper March 2014 futures will be February 26, 2014 and the Start Date for the next delivery month, Comex Copper May 2014 futures, will be February 27, 2014.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

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<sup>2</sup> NYMEX® is a registered service mark of the New York Mercantile Exchange, Inc. COMEX® is a registered service mark of the Commodity Exchange, Inc. Nadex is not affiliated with the New York Mercantile Exchange, Inc. or the Commodity Exchange, Inc. and neither the New York Mercantile Exchange, the Commodity Exchange, Inc., nor their affiliates, sponsor or endorse Nadex or any of its products in any way.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the Copper Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows:

(i) DAILY COPPER VARIABLE PAYOUT SPREAD CONTRACTS, 1:00 PM ET CLOSE - At the commencement of trading in a Daily Spread Copper Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY COPPER VARIABLE PAYOUT ‘SPREAD’ CONTRACT

(aa) CAP – The Cap shall be  $X + .30$ .

(bb) FLOOR – The Floor shall be  $X - .30$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1000.

(2) In each case, “X” equals the last Copper price, as reported by the Source Agency, rounded to the nearest .10.

(ii) DAILY COPPER VARIABLE PAYOUT SPREAD CONTRACTS, 1:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - .30$ .

(2) CONTRACT 2: The Cap shall be  $X + .15$ ; The Floor shall be  $X - .15$ .

(3) CONTRACT 3: The Cap shall be  $X + .30$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1000.

(5) In each case, “X” equals the last Copper price, as reported by the Source Agency, rounded to the nearest .10.

(iii) INTRADAY COPPER VARIABLE PAYOUT SPREAD CONTRACTS, 8AM ET to 1:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X; The Floor shall be X – .25.
- (2) CONTRACT 2: The Cap shall be X + .125; The Floor shall be X – .125.
- (3) CONTRACT 3: The Cap shall be X + .25; The Floor shall be X.
- (4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1000.

(5) In each case, “X” equals the last Copper price, as reported by the Source Agency, rounded to the nearest .025.

(iv) INTRADAY 2-HOUR COPPER VARIABLE PAYOUT SPREAD CONTRACTS, 10:00AM, 11:00AM, 12:00PM, and 1:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X; The Floor shall be X – .08.
- (2) CONTRACT 2: The Cap shall be X + .04; The Floor shall be X – .04.
- (3) CONTRACT 3: The Cap shall be X + .08; The Floor shall be X.
- (4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1000.

(5) In each case, “X” equals the last Copper price, as reported by the Source Agency, rounded to the nearest .02.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Copper Variable Payout Contracts shall be 0.001.

(h) POSITION LIMIT – The Position Limits for Copper Variable Payout Contracts shall be 20,833 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the Copper Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Copper released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) CPFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Copper Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of CPFC trade prices and the lowest twenty (20) percent of five (5) CPFC trade prices from the data set<sup>3</sup>, and using the remaining fifteen (15) CPFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) CPFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) CPFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Copper Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) CPFC trade prices just prior to the close of trading of the Copper Variable Contract removing the highest five (5) CPFC trade prices and the lowest five (5) CPFC trade prices, and using the remaining fifteen (15) CPFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) CPFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

## RULE 12.3 COPPER BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Copper Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Copper price per pound (in U.S. cents), obtained from the specified Copper Futures Contracts (“CPFC”) trading in the

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<sup>3</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

COMEX Division on the New York Mercantile Exchange (“NYMEX”®)<sup>4</sup>. The CPFC prices that will be used to calculate the Underlying will be taken from the March, May, July, September, or December CPFC delivery months (each a “CPFC Delivery Month”). The Start and End Date for which Nadex will use a specific delivery month as the Underlying will be set based on the Settlement date of the Underlying futures contract. The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the third to last business day of the month preceding the month of the Underlying futures contracts Expiration Date. For example, the Comex Copper March 2014 futures have an Expiration Date of March 27, 2014. The last day on which the Copper March 2014 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Copper contracts will be the third to last business day of the preceding month, February. Therefore, the End Date for using Comex Copper March 2014 futures will be February 26, 2014 and the Start Date for the next delivery month, Comex Copper May 2014 futures, will be February 27, 2014.<sup>5</sup>

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the Copper Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY COPPER BINARY CONTRACTS

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<sup>5</sup> Weekly contracts listed on a Monday during a week containing an Underlying futures rollover date will be listed using the Underlying futures month scheduled to be used to determine the settlement value on the day the contract expires. For example, the End Date for which Nadex will use the Comex Copper March 2014 Underlying futures to determine the settlement value is February 26, 2014. February 26, 2014 is a Wednesday, however, and any Nadex weekly contracts listed for this roll week and expiring on Friday, February 28, 2014, will be listed using the Comex Copper May 2014 futures as its Underlying, as May is the futures month scheduled to be used to determine the Settlement Value of the Nadex weekly contract on its expiration date. Therefore, the Start Date for the Comex Copper May 2014 futures will be Monday, February 24, 2014 for any Nadex weekly contracts listed on this date.

- (1) EXPIRATION TIME – 1:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.05.
- (3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for each Weekly Copper Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.005 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract W at an interval of 0.05, and six (6) strike levels will be generated below Binary Contract W at an interval of 0.05 (e.g.  $W - 0.05$ ;  $W$ ;  $W + 0.05$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY COPPER BINARY CONTRACTS

- (1) EXPIRATION TIME – 1:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.01.
- (3) NUMBER OF STRIKE LEVELS LISTED - Fifteen (15) strike levels will be listed for each Daily Copper Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.01 as reported by the Source Agency. Seven (7) strike levels will be generated above Binary Contract Y at an interval of 0.01, and seven (7) strike levels will be generated below Binary Contract Y at an interval of 0.01 (e.g.  $Y - 0.01$ ;  $Y$ ;  $Y + 0.01$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY COPPER BINARY CONTRACTS

- (1) EXPIRATION TIME – 10:00AM, 11:00AM, 12:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.005.

- (3) NUMBER OF STRIKE LEVELS LISTED - Nine (9) strike levels will be listed for each Intraday Copper Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract "Z" is valued 'at-the-money' in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.001 as reported by the Source Agency. Four (4) strike levels will be generated above Binary Contract Z at an interval of 0.005, and four (4) strike levels will be generated below Binary Contract Z at an interval of 0.005 (e.g.  $Z - 0.005$ ;  $Z$ ;  $Z + 0.005$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) Nadex may list additional Copper Binary Contract with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for the Copper Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – The Position Limits for the Copper Binary Contract shall be 2,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date on which the Copper Settlement Price is released by the Source Agency.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the Copper Settlement Price is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on the Settlement Date. The Settlement Value for an in the money Copper Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Copper released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) CPFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Copper Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of CPFC trade prices and the lowest twenty (20) percent of five (5) CPFC trade

prices from the data set<sup>6</sup>, and using the remaining ~~fifteen (15)~~ CPFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) CPFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) CPFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Copper Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) CPFC trade prices just prior to the close of trading of the Copper Binary Contract removing the highest five (5) CPFC trade prices and the lowest five (5) CPFC trade prices, and using the remaining fifteen (15) CPFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) CPFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.4 GOLD VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Gold Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price, per troy ounce (in US dollars), of the Gold Futures Contracts (“GFC”) traded on the COMEX® Division of the New York Mercantile Exchange (“NYMEX”®)<sup>7</sup>. The GFC trade prices that will be used for the Underlying will be taken from the February, April, June, August, or December GFC delivery months (each a “GFC Delivery Month”). The Start and End Date for which Nadex will use a specific delivery month as the Underlying will be set based on the Settlement date of the Underlying futures contract. The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the third to last business day of the month preceding the month of the Underlying futures contracts Expiration Date. For example, the Comex Gold April 2014 futures have an Expiration Date of April 28, 2014. The last day on which the Gold April 2014 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Gold contracts will be the third to last business day of the preceding month, March.

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<sup>6</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

<sup>7</sup> *Supra, at fn 4.*



Therefore, the End Date for using Comex Gold April 2014 futures will be March 27, 2014 and the Start Date for the next delivery month, Comex Gold June 2014 futures, will be March 28, 2014.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the Gold Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows:

(i) DAILY GOLD VARIABLE PAYOUT SPREAD CONTRACTS, 1:30 PM ET CLOSE - At the commencement of trading in a Daily Spread Gold Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY GOLD VARIABLE PAYOUT ‘SPREAD’ CONTRACT

(aa) CAP – The Cap shall be  $X + 50.00$ .

(bb) FLOOR – The Floor shall be  $X - 50.00$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(2) In each case, “X” equals the last Gold price, as reported by the Source Agency, rounded to the nearest 50.

(ii) DAILY GOLD VARIABLE PAYOUT SPREAD CONTRACTS, 1:30 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 50$ .

(2) CONTRACT 2: The Cap shall be  $X + 25$ ; The Floor shall be  $X - 25$ .

(3) CONTRACT 3: The Cap shall be  $X + 50$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(5) In each case, “X” equals the last Gold price, as reported by the Source Agency, rounded to the nearest 50.

(iii) INTRADAY GOLD VARIABLE PAYOUT SPREAD CONTRACTS, 8AM ET to 1:30 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be X – 40.

(2) CONTRACT 2: The Cap shall be X + 20; The Floor shall be X – 20.

(3) CONTRACT 3: The Cap shall be X + 40; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(5) In each case, “X” equals the last Gold price, as reported by the Source Agency, rounded to the nearest 10.

(iv) INTRADAY 2-HOUR GOLD VARIABLE PAYOUT SPREAD CONTRACTS, 10:00AM, 11:00AM, 12:00PM, and 1:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be X – 15.

(2) CONTRACT 2: The Cap shall be X + 7.5; The Floor shall be X – 7.5.

(3) CONTRACT 3: The Cap shall be X + 15; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(5) In each case, “X” equals the last Gold price, as reported by the Source Agency, rounded to the nearest 10.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Gold Variable Payout Contracts shall be 0.10.

(h) POSITION LIMIT – The Position Limits for Gold Variable Payout Contracts shall be 60,000 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the Gold Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Gold released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) GFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Gold Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of GFC trade prices and the lowest twenty (20) percent of five (5) GFC trade prices from the data set<sup>8</sup>, and using the remaining fifteen (15) GFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) GFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) GFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Gold Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) GFC trade prices just prior to the close of trading of the Gold Variable Contract removing the highest five (5) GFC trade prices and the lowest five (5) GFC trade prices, and using the remaining fifteen (15) GFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) GFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

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<sup>8</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

## RULE 12.5 GOLD BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Gold Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price, per troy ounce (in US dollars), of Gold obtained from the Gold Futures Contracts (“GFC”) traded on the COMEX Division of the New York Mercantile Exchange (“NYMEX®”)<sup>9</sup>. The GFC trade prices that will be used for the Underlying will be taken from the February, April, June, August, or December GFC delivery months (each a “GFC Delivery Month”). The Start and End Date for which Nadex will use a specific delivery month as the Underlying will be set based on the Settlement date of the Underlying futures contract. The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the third to last business day of the month preceding the month of the Underlying futures contracts Expiration Date. For example, the Comex Gold April 2014 futures have an Expiration Date of April 28, 2014. The last day on which the Gold April 2014 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Gold contracts will be the third to last business day of the preceding month, March. Therefore, the End Date for using Comex Gold April 2014 futures will be March 27, 2014 and the Start Date for the next delivery month, Comex Gold June 2014 futures, will be March 28, 2014.<sup>10</sup>

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

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<sup>9</sup> *Supra*, at fn 4.

<sup>10</sup> Weekly contracts listed on a Monday during a week containing an Underlying futures rollover date will be listed using the Underlying futures month scheduled to be used to determine the settlement value on the day the contract expires. For example, the End Date for which Nadex will use the Comex Gold April 2014 Underlying futures to determine the settlement value is March 27, 2014. March 27, 2014 is a Thursday, however, and any Nadex weekly contracts listed for this roll week and expiring on Friday, March 28, 2014, will be listed using the Comex Gold June 2014 futures as its Underlying, as June is the futures month scheduled to be used to determine the Settlement Value of the Nadex weekly contract on its expiration date. Therefore, the Start Date for the Comex Gold June 2014 futures will be Monday, March 24, 2014 for any Nadex weekly contracts listed on this date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the Gold Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY GOLD BINARY CONTRACTS

- (1) EXPIRATION TIME – 1:30PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 10.0.
- (3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for each Weekly Gold Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.5 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract W at an interval of 10.0, and six (6) strike levels will be generated below Binary Contract W at an interval of 10.0 (e.g. W – 10.0; W; W + 10.0). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY GOLD BINARY CONTRACTS

- (1) EXPIRATION TIME – 1:30PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 1.5.
- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily Gold Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 1.0 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract Y at an interval of 1.5, and ten (10) strike levels will be generated below Binary Contract Y at an interval of 1.5 (e.g. Y – 1.5; Y; Y + 1.5). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY GOLD BINARY CONTRACTS

- (1) EXPIRATION TIME – 10:00AM, 11:00AM, 12:00PM, 1:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 1.
- (3) NUMBER OF STRIKE LEVELS LISTED - Nine (9) strike levels will be listed for each Intraday Gold Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.1 as reported by the Source Agency. Four (4) strike levels will be generated above Binary Contract Z at an interval of 1, and four (4) strike levels will be generated below Binary Contract Z at an interval of 1 (e.g. Z – 1; Z; Z + 1). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) Nadex may list additional Gold Binary Contract with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Gold Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – The Position Limits for the \$100 Gold Binary Contracts shall be 2,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date. No trading in the Gold Binary Contracts shall occur after its Last Trading Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the Gold Expiration Value is to be released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on Settlement Date. The Settlement Value of an in the money Gold Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Gold released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) GFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Gold Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20)

percent of GFC trade prices and the lowest twenty (20) percent of five (5) GFC trade prices from the data set<sup>11</sup>, and using the remaining fifteen (15) GFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) GFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) GFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Gold Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) GFC trade prices just prior to the close of trading of the Gold Binary Contract removing the highest five (5) GFC trade prices and the lowest five (5) GFC trade prices, and using the remaining fifteen (15) GFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) GFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series. If there are less than 250 GFC trade prices available during a single trading day prior to the issuance of a new Gold Contract Nadex may switch to the next available GFC Delivery Month that provides at least 250 GFC trade prices.

#### RULE 12.6 SILVER VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Silver Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price, cents per troy ounce (in US Currency), of Silver obtained from the Silver Futures Contracts (“SFC”) traded on the COMEX Division of the New York Mercantile Exchange (“NYMEX”<sup>®12</sup>). The SFC trade prices that will be used to for the Underlying will be taken from the March, May, July, September, or December SFC delivery months (each a “SFC Delivery Month”). The Start and End Date for which Nadex will use a specific delivery month as the Underlying will be set based on the Settlement date of the Underlying futures contract. The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the third to last business day of the month preceding the month of the

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<sup>11</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

<sup>8</sup> *Supra, at fn 4.*

Underlying futures contracts Expiration Date. For example, the Comex Silver March 2014 futures have an Expiration Date of March 27, 2014. The last day on which the Silver March 2014 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Silver contracts will be the third to last business day of the preceding month, February. Therefore, the End Date for using Comex Silver March 2014 futures will be February 26, 2014 and the Start Date for the next delivery month, Comex Silver May 2014 futures, will be February 27, 2014.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the Silver Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY SILVER VARIABLE PAYOUT SPREAD CONTRACTS, 1:25 PM ET CLOSE - At the commencement of trading in a Daily Spread Silver Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a 'Spread', which conforms to the Payout Criteria listed below:

(1) DAILY SILVER VARIABLE PAYOUT 'SPREAD' CONTRACT

(aa) CAP – The Cap shall be  $X + 2.00$ .

(bb) FLOOR – The Floor shall be  $X - 2.00$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(2) In each case, "X" equals the last Silver price, as reported by the Source Agency, rounded to the nearest .50.

(ii) DAILY SILVER VARIABLE PAYOUT SPREAD CONTRACTS, 1:25 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 2.00$ .

(2) CONTRACT 2: The Cap shall be  $X + 1.00$ ; The Floor shall be  $X - 1.00$ .



(3) CONTRACT 3: The Cap shall be  $X + 2.00$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last Silver price, as reported by the Source Agency, rounded to the nearest .50.

(iii) INTRADAY SILVER VARIABLE PAYOUT SPREAD CONTRACTS, 8AM ET to 1:25 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 1.50$ .

(2) CONTRACT 2: The Cap shall be  $X + .075$ ; The Floor shall be  $X - .075$ .

(3) CONTRACT 3: The Cap shall be  $X + 1.50$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last Silver price, as reported by the Source Agency, rounded to the nearest .25.

(iv) INTRADAY 2-HOUR SILVER VARIABLE PAYOUT SPREAD CONTRACTS, 10:00AM, 11:00AM, 12:00PM, and 1:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - .50$ .

(2) CONTRACT 2: The Cap shall be  $X + .25$ ; The Floor shall be  $X - .25$ .

(3) CONTRACT 3: The Cap shall be  $X + .50$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last Silver price, as reported by the Source Agency, rounded to the nearest .25.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Silver Variable Contracts shall be .01.

(h) POSITION LIMIT – The Position Limits for Silver Variable Payout Contracts shall be 100,000 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the Silver Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Silver released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) SFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Silver Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of SFC trade prices and the lowest twenty (20) percent of five (5) SFC trade prices from the data set<sup>13</sup>, and using the remaining fifteen (15) SFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) SFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) SFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Silver Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) SFC trade prices just prior to the close of trading of the Silver Variable Contract removing the highest five (5) SFC trade prices and the lowest five (5) SFC trade prices, and using the remaining fifteen (15) SFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) SFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series. If there are less than 250 SFC trade prices available during a single trading day prior to the issuance of a new Silver Contract

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<sup>13</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

Nadex may switch to the next available SFC Delivery Month that provides at least 250 SFC trade prices.

## RULE 12.7 SILVER BINARY CONTRACTS

(a) SCOPE –These Rules shall apply to the Class of Contracts referred to as the Silver Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price, cents per troy ounce (in US Currency), of Silver obtained from the Silver Futures Contracts (“SFC”) traded on the COMEX Division of the New York Mercantile Exchange (“NYMEX”®<sup>14</sup>). The SFC trade prices that will be used to for the Underlying will be taken from the March, May, July, September, or December SFC delivery months (each a “SFC Delivery Month”). The Start and End Date for which Nadex will use a specific delivery month as the Underlying will be set based on the Settlement date of the Underlying futures contract. The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the third to last business day of the month preceding the month of the Underlying futures contracts Expiration Date. For example, the Comex Silver March 2014 futures have an Expiration Date of March 27, 2014. The last day on which the Silver March 2014 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Silver contracts will be the third to last business day of the preceding month, February. Therefore, the End Date for using Comex Silver March 2014 futures will be February 26, 2014 and the Start Date for the next delivery month, Comex Silver May 2014 futures, will be February 27, 2014.<sup>15</sup>

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Binary Contract.

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<sup>8</sup> *Supra, at fn 4.*

<sup>15</sup> Weekly contracts listed on a Monday during a week containing an Underlying futures rollover date will be listed using the Underlying futures month scheduled to be used to determine the settlement value on the day the contract expires. For example, the End Date for which Nadex will use the Comex Silver March 2014 Underlying futures to determine the settlement value is February 26, 2014. February 26, 2014 is a Wednesday, however, and any Nadex weekly contracts listed for this roll week and expiring on Friday, February 28, 2014, will be listed using the Comex Silver May 2014 futures as its Underlying, as May is the futures month scheduled to be used to determine the Settlement Value of the Nadex weekly contract on its expiration date. Therefore, the Start Date for the Comex Silver May 2014 futures will be Monday, February 24, 2014 for any Nadex weekly contracts listed on this date.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the Silver Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY SILVER BINARY CONTRACTS

- (1) EXPIRATION TIME – 1:25PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.25.
- (3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for each Weekly Silver Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.25 or 0.75 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract W at an interval of 0.25, and six (6) strike levels will be generated below Binary Contract W at an interval of 0.25 (e.g.  $W - 0.25$ ;  $W$ ;  $W + 0.25$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY SILVER BINARY CONTRACTS

- (1) EXPIRATION TIME – 1:25PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.05.
- (3) NUMBER OF STRIKE LEVELS LISTED – Fifteen (15) strike levels will be listed for each Daily Silver Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.1 as reported by the Source Agency. Seven (7) strike levels will be generated

above Binary Contract Y at an interval of 0.05, and seven (7) strike levels will be generated below Binary Contract Y at an interval of 0.05 (e.g.  $Y - 0.05$ ;  $Y$ ;  $Y + 0.05$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY SILVER BINARY CONTRACTS

- (1) EXPIRATION TIME – 10:00AM, 11:00AM, 12:00PM, 1:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.03.
- (3) NUMBER OF STRIKE LEVELS LISTED - Nine (9) strike levels will be listed for each Intraday Gold Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.01 as reported by the Source Agency. Four (4) strike levels will be generated above Binary Contract Z at an interval of 0.03, and four (4) strike levels will be generated below Binary Contract Z at an interval of 0.03 (e.g.  $Z - 0.03$ ;  $Z$ ;  $Z + 0.03$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) Nadex may list additional Silver Binary Contract with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

- (g) MINIMUM TICK – The Minimum Tick size for Silver Binary Contracts shall be \$0.25.
- (h) POSITION LIMIT – The Position Limits for Silver Binary Contracts shall be 2,000 Contracts.
- (i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.
- (j) SETTLEMENT DATE – The Settlement Date will be the same date as the Expiration Date.
- (k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the Silver price is released by the Source Agency.
- (l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on Settlement Date. The Settlement Value of an in the money Silver Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Silver released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking ~~all the last twenty-five (25)~~ SFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Silver Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of SFC trade prices and the lowest twenty (20) percent of five (5) SFC trade prices from the data set<sup>16</sup>, and using the remaining fifteen (15) SFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) SFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) SFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Silver Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) SFC trade prices just prior to the close of trading of the Silver Binary Contract removing the highest five (5) SFC trade prices and the lowest five (5) SFC trade prices, and using the remaining fifteen (15) SFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) SFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series. If there are less than 250 SFC trade prices available during a single trading day prior to the issuance of a new Silver Contract Nadex may switch to the next available SFC Delivery Month that provides at least 250 SFC trade prices.

## RULE 12.8 CRUDE OIL VARIABLE PAYOUT CONTRACTS

(a) SCOPE –These Rules shall apply to the Class of Contracts referred to as the Crude Oil Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is WTI Light, Sweet Crude Oil price per barrel (in US dollars), obtained from the WTI Light, Sweet Crude Oil Futures contracts (“CFC”) traded on the New York Mercantile Exchange (“NYMEX”<sup>17</sup>® ). The CFC trade prices that will be used for the Underlying will be taken from all twelve CFC delivery months: January, February, March, April, May, June, July, August, September, October, November, or December (each a “CFC

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<sup>16</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

<sup>17</sup> *Supra, at fn 4.*

Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Friday of the week preceding the Underlying futures contracts Expiration Date. If the Underlying futures contracts Expiration Date falls on a Monday, the End Date for that specific delivery month will be the Friday of the week preceding the week of the Underlying futures contracts Expiration Date, i.e. not the Friday that is one business day prior to the Monday Expiration Date. For example, the Nymex Crude Oil March 2012 futures have an Expiration Date of February 21, 2012. The last day on which the Crude Oil March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Crude Oil contracts will be the Friday of the preceding week. Therefore, the End Date for using Nymex Crude Oil March 2012 futures will be February 17, 2012 and the Start Date for the next delivery month, Nymex Crude Oil April 2012 futures, will be February 18, 2012. The Nymex Crude Oil November 2012 futures, however, have an Expiration Date of Monday, October 22, 2012. The last day on which the Crude Oil November 2012 futures prices will be as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Crude Oil contracts will be October 12, 2012, rather than October 19, 2012, and the Start Date for the next delivery month, Nymex Crude Oil December 2012 futures will be October 13, 2012.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the Crude Oil Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY CRUDE OIL VARIABLE PAYOUT SPREAD CONTRACTS, 2:30 PM ET CLOSE - At the commencement of trading in a Daily Spread Crude Oil Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY CRUDE OIL VARIABLE PAYOUT ‘SPREAD’ CONTRACT

(aa) CAP – The Cap shall be  $X + 5$ .

(bb) FLOOR – The Floor shall be  $X - 5$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

32

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(2) In each case, “X” equals the last Crude Oil price, as reported by the Source Agency, rounded to the nearest 1.

(ii) DAILY CRUDE OIL VARIABLE PAYOUT SPREAD CONTRACTS, 2:30 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 5$ .
- (2) CONTRACT 2: The Cap shall be  $X + 2.50$ ; The Floor shall be  $X - 2.50$ .
- (3) CONTRACT 3: The Cap shall be  $X + 5$ ; The Floor shall be X.
- (4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last Crude Oil price, as reported by the Source Agency, rounded to the nearest 1.

(iii) INTRADAY CRUDE OIL VARIABLE PAYOUT SPREAD CONTRACTS, 8AM ET to 2:30 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 3$ .
- (2) CONTRACT 2: The Cap shall be  $X + 1.50$ ; The Floor shall be  $X - 1.50$ .
- (3) CONTRACT 3: The Cap shall be  $X + 3$ ; The Floor shall be X.
- (4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last Crude Oil price, as reported by the Source Agency, rounded to the nearest 0.50.

(iv) INTRADAY 2-HOUR CRUDE OIL VARIABLE PAYOUT SPREAD CONTRACTS, 10:00AM, 11:00AM, 12:00PM, 1:00PM and 2:00PM ET CLOSE - Nadex shall list a set of five (5) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be  $X - 0.75$ ; The Floor shall be  $X - 2.25$ .
- (2) CONTRACT 2: The Cap shall be X; The Floor shall be  $X - 1.50$ .
- (3) CONTRACT 3: The Cap shall be  $X + 0.75$ ; The Floor shall be  $X - 0.75$ .



(4) CONTRACT 4: The Cap shall be  $X + 1.50$ ; The Floor shall be  $X$ .

(5) CONTRACT 5: The Cap shall be  $X + 2.25$ ; The Floor shall be  $X + 0.75$ .

(6) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(7) In each case, “X” equals the last Crude Oil price, as reported by the Source Agency, rounded to the nearest 0.25.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Crude Oil Variable Payout Contracts shall be 0.01.

(h) POSITION LIMIT – The Position Limits for Crude Oil Variable Payout Contracts shall be 25,000 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the Crude Oil Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Crude Oil released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty five (25) CFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Crude Oil Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of CFC trade prices and the lowest twenty (20) percent of five (5) CFC trade prices from the data set<sup>18</sup>, and using the remaining fifteen (15) CFC trade prices to calculate the

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<sup>18</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to

Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) CFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) CFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Crude Oil Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) CFC trade prices just prior to the close of trading of the Crude Oil Variable Contract removing the highest five (5) CFC trade prices and the lowest five (5) CFC trade prices, and using the remaining fifteen (15) CFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) CFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

## RULE 12.9 CRUDE OIL BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Crude Oil Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is WTI Light, Sweet Crude Oil price per barrel (in US dollars), obtained from the WTI Light, Sweet Crude Oil Futures contracts (“CFC”) traded on the New York Mercantile Exchange (“NYMEX®”<sup>19</sup>). The CFC trade prices that will be used for the Underlying will be taken from all twelve CFC delivery months: January, February, March, April, May, June, July, August, September, October, November, or December (each a “CFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Friday of the week preceding the Underlying futures contracts Expiration Date. If the Underlying futures contracts Expiration Date falls on a Monday, the End Date for that specific delivery month will be the Friday of the week preceding the week of the Underlying futures contracts Expiration Date, i.e. not the Friday that is one business day prior to the Monday Expiration Date. For example, the Nymex Crude Oil March 2012 futures have an Expiration Date of February 21, 2012. The last day on which the Crude Oil March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Crude Oil contracts will be the Friday of the preceding week. Therefore, the End Date for using Nymex Crude Oil March 2012 futures will be February 17, 2012 and the Start Date for the next delivery month, Nymex Crude Oil April 2012 futures, will be February 18, 2012. The Nymex Crude Oil

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the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

<sup>19</sup> *Supra*, at fn 4.

November 2012\_futures, however, have an Expiration Date of Monday, October 22, 2012. The last day on which the Crude Oil November 2012 futures prices will be as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Crude Oil contracts will be October 12, 2012, rather than October 19, 2012, and the Start Date for the next delivery month, Nymex Crude Oil December 2012 futures will be October 13, 2012.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the Crude Oil Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY CRUDE OIL BINARY CONTRACTS

(1) EXPIRATION TIME – 2:30PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 1.00.

(3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for each Weekly Crude Oil Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.25 or 0.75 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract W at an interval of 1.00, and six (6) strike levels will be generated below Binary Contract W at an interval of 1.00 (e.g. W – 1.00; W; W + 1.00). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY CRUDE OIL BINARY CONTRACTS

(1) EXPIRATION TIME – 2:30PM ET CLOSE

- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.50.
- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-three (23) strike levels will be listed for each Daily Crude Oil Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.5 as reported by the Source Agency. Eleven (11) strike levels will be generated above Binary Contract Y at an interval of 0.50, and eleven (11) strike levels will be generated below Binary Contract Y at an interval of 0.50 (e.g.  $Y - 0.50$ ;  $Y$ ;  $Y + 0.50$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY CRUDE OIL BINARY CONTRACTS

- (1) EXPIRATION TIME – 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.2.
- (3) NUMBER OF STRIKE LEVELS LISTED - Nine (9) strike levels will be listed for each Intraday Crude Oil Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.01 as reported by the Source Agency. Four (4) strike levels will be generated above Binary Contract Z at an interval of 0.2, and four (4) strike levels will be generated below Binary Contract Z at an interval of 0.2 (e.g.  $Z - 0.2$ ;  $Z$ ;  $Z + 0.2$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) Nadex may list additional Crude Oil Binary Contract with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for the Crude Oil Binary Contract shall be \$0.25.

(h) POSITION LIMIT – The Position Limits for the \$100 Crude Oil Binary Contracts shall be 2,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date on which the Crude Oil Binary Contract as reported by the Source Agency.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the Crude Oil price or level is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on the Settlement Date. The Settlement Value of an in the money Crude Oil Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Crude Oil released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty five (25) CFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Crude Oil Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of CFC trade prices and the lowest twenty (20) percent of five (5) CFC trade prices from the data set<sup>20</sup>, and using the remaining fifteen (15) CFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) CFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) CFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Crude Oil Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) CFC trade prices just prior to the close of trading of the Crude Oil Binary Contract removing the highest five (5) CFC trade prices and the lowest five (5) CFC trade prices, and using the remaining fifteen (15) CFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) CFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

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<sup>20</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

## RULE 12.10 NATURAL GAS VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Natural Gas Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Natural Gas price per mmBtu (millions British thermal units, in US dollars), obtained from the Natural Gas Futures contracts (“NFC”) traded on the New York Mercantile Exchange (“NYMEX”®).<sup>21</sup> The NFC trade prices that will be used for the Underlying will be taken from all twelve NFC delivery months: January, February, March, April, May, June, July, August, September, October, November, or December (each an “NFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Friday of the week preceding the Underlying futures contracts Expiration Date. If the Underlying futures contracts Expiration Date falls on a Monday, the End Date for that specific delivery month will be the Friday of the week preceding the week of the Underlying futures contracts Expiration Date, i.e. not the Friday that is one business day prior to the Monday Expiration Date. For example, the Nymex Natural Gas February 2012 futures have an Expiration Date of January 27, 2012. The last day on which the Natural Gas February 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Natural Gas contracts will be the Friday of the preceding week. Therefore, the End Date for using Nymex Natural Gas February 2012 futures will be January 20, 2012 and the Start Date for the next delivery month, Nymex Natural Gas March 2012 futures, will be January 21, 2012. The Nymex Natural Gas March 2012 futures, however, have an Expiration Date of Monday, February 27, 2012. The last day on which the Natural Gas March 2012 futures prices will be as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Natural Gas contracts will be February 17, 2012, rather than February 24, 2012, and the Start Date for the next delivery month, Nymex Natural Gas April 2012 futures will be February 18, 2012.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

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<sup>21</sup> *Supra*, at fn 4.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the Natural Gas Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY NATURAL GAS VARIABLE PAYOUT SPREAD CONTRACTS, 2:30 PM ET CLOSE - At the commencement of trading in a Daily Spread Natural Gas Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY NATURAL GAS VARIABLE PAYOUT ‘SPREAD’ CONTRACT

(aa) CAP – The Cap shall be  $X + 0.5$ .

(bb) FLOOR – The Floor shall be  $X - 0.5$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1000.

(2) In each case, “X” equals the last Natural Gas price, as reported by the Source Agency, rounded to the nearest 0.1.

(ii) DAILY NATURAL GAS VARIABLE PAYOUT SPREAD CONTRACTS, 2:30 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 0.5$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.25$ ; The Floor shall be  $X - 0.25$ .

(3) CONTRACT 3: The Cap shall be  $X + 0.5$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1000.

(5) In each case, “X” equals the last Natural Gas price, as reported by the Source Agency, rounded to the nearest 0.1.

(iii) INTRADAY NATURAL GAS VARIABLE PAYOUT SPREAD CONTRACTS, 8AM ET to 2:30 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 0.4$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.2$ ; The Floor shall be  $X - 0.2$ .

(3) CONTRACT 3: The Cap shall be  $X + 0.4$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1000.

(5) In each case, “X” equals the last Natural Gas price, as reported by the Source Agency, rounded to the nearest 0.1.

(iv) INTRADAY 2-HOUR NATURAL GAS VARIABLE PAYOUT SPREAD CONTRACTS, 10:00AM, 11:00AM, 12:00PM, 1:00PM and 2:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 0.2$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.1$ ; The Floor shall be  $X - 0.1$ .

(3) CONTRACT 3: The Cap shall be  $X + 0.2$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1000.

(5) In each case, “X” equals the last Natural Gas price, as reported by the Source Agency, rounded to the nearest 0.05.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Natural Gas Contracts shall be 0.001.

(h) POSITION LIMIT – The Position Limits for Natural Gas Variable Payout Contracts shall be 25,000 Contracts.

(i) LAST TRADING DATE – The Last Trading Date for this Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the Natural Gas Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable



Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Natural Gas released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) NFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Natural Gas Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of NFC trade prices and the lowest twenty (20) percent of five (5) NFC trade prices from the data set<sup>22</sup>, and using the remaining fifteen (15) NFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) NFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) NFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Natural Gas Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) NFC trade prices just prior to the close of trading of the Natural Gas Variable Contract removing the highest five (5) NFC trade prices and the lowest five (5) NFC trade prices, and using the remaining fifteen (15) NFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) NFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

## RULE 12.11 NATURAL GAS BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Natural Gas Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Natural Gas price per mmBtu (millions British thermal units, in US dollars), obtained from the Physical Natural Gas Futures contracts (“NFC”) traded on the New York Mercantile Exchange (“NYMEX”<sup>23</sup>). The NFC trade prices that will be used for the Underlying will be taken from all twelve NFC delivery months: January, February, March, April, May, June, July, August, September, October, November, or December (each an “NFC Delivery Month”). The date on which a new delivery month will be used as

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<sup>22</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

<sup>23</sup> *Supra, at fn 4.*

the Underlying for Nadex contracts (i.e. "Start Date") is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. "End Date") is the Friday of the week preceding the Underlying futures contracts Expiration Date. If the Underlying futures contracts Expiration Date falls on a Monday, the End Date for that specific delivery month will be the Friday of the week preceding the week of the Underlying futures contracts Expiration Date, i.e. not the Friday that is one business day prior to the Monday Expiration Date. For example, the Nymex Natural Gas February 2012 futures have an Expiration Date of January 27, 2012. The last day on which the Natural Gas February 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Natural Gas contracts will be the Friday of the preceding week. Therefore, the End Date for using Nymex Natural Gas February 2012 futures will be January 20, 2012 and the Start Date for the next delivery month, Nymex Natural Gas March 2012 futures, will be January 21, 2012. The Nymex Natural Gas March 2012 futures, however, have an Expiration Date of Monday, February 27, 2012. The last day on which the Natural Gas March 2012 futures prices will be as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Natural Gas contracts will be February 17, 2012, rather than February 24, 2012, and the Start Date for the next delivery month, Nymex Natural Gas April 2012 futures will be February 18, 2012.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the Natural Gas Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY NATURAL GAS BINARY CONTRACTS

(1) EXPIRATION TIME – 2:30PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.10.

(3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for each Weekly Natural Gas Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract "W" is valued 'at-the-money' in relation to the Underlying market as

43

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determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.250 or 0.750 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract W at an interval of 0.10, and six (6) strike levels will be generated below Binary Contract W at an interval of 0.10 (e.g.  $W - 0.10$ ;  $W$ ;  $W + 0.10$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY NATURAL GAS BINARY CONTRACTS

- (1) EXPIRATION TIME – 2:30PM ET CLOSE
- (1) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.02.
- (2) NUMBER OF STRIKE LEVELS LISTED – Fifteen (15) strike levels will be listed for each Daily Natural Gas Binary Contract Series.
- (3) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.1 as reported by the Source Agency. Seven (7) strike levels will be generated above Binary Contract Y at an interval of 0.02, and seven (7) strike levels will be generated below Binary Contract Y at an interval of 0.02 (e.g.  $Y - 0.02$ ;  $Y$ ;  $Y + 0.02$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY NATURAL GAS BINARY CONTRACTS

- (1) EXPIRATION TIME – 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.01.
- (3) NUMBER OF STRIKE LEVELS LISTED - Nine (9) strike levels will be listed for each Intraday Natural Gas Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.01 as reported by the Source Agency. Four (4) strike levels will be generated above

Binary Contract Z at an interval of 0.01, and four (4) strike levels will be generated below Binary Contract Z at an interval of 0.01 (e.g.  $Z - 0.01$ ;  $Z$ ;  $Z + 0.01$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) Nadex may list additional Natural Gas Binary Contract with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Natural Gas Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – The Position Limits for Natural Gas Binary Contracts shall be 2,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date will be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the Natural Gas Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on Settlement Date. The Settlement Value of an in the money Natural Gas Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Natural Gas released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) NFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Natural Gas Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of NFC trade prices and the lowest twenty (20) percent of five (5) NFC trade prices from the data set<sup>24</sup>, and using the remaining fifteen (15) NFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) NFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) NFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Natural Gas Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) NFC trade prices just

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<sup>24</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

prior to the close of trading of the Natural Gas Binary Contract removing the highest five (5) NFC trade prices and the lowest five (5) NFC trade prices, and using the remaining fifteen (15) NFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) NFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

## RULE 12.12 CORN VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Corn Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Corn price per bushel (in U.S. cents), as calculated by Nadex using a proprietary algorithm which takes a sampling of prices<sup>25</sup> obtained from the specified Corn Futures contracts (“CNFC”) currently trading on the Chicago Board of Trade (CBOT®)<sup>26</sup>. The CNFC prices that will be used to calculate the Underlying will be taken from the March, May, July, or December CNFC delivery months (each a “CNFC Delivery Month”). The Start and End Date for which Nadex will use a specific delivery month as the Underlying, will be set based on the Settlement date of the Underlying futures contract. The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the last day preceding the Start Date. The Start Date will be the 12<sup>th</sup> business day of the calendar month that precedes the Underlying futures contracts current lead month. For example, if the CBOT Corn May 2014 futures is the current lead month and used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Corn contracts, the CBOT Corn July 2014 futures will become the current lead month on April 16, 2014, the 12<sup>th</sup> business day of the month preceding the current lead month (May), and become the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Corn contracts. The last day on which the Corn May 2014 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date is April 15, 2014, which is the last trading day preceding April 16, 2014, the Start Date of the July 2014 futures.

(c) SOURCE AGENCY – The Source Agency is Nadex.

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<sup>25</sup> The term “Prices” does not include any settlement prices calculated or issued by CBOT. Nadex only uses the prices reported on the CBOT in order to formulate its own settlement price.

<sup>26</sup> CBOT® is a registered service mark of the Board of Trade of the City of Chicago. Nadex is not affiliated with the Board of Trade of the City of Chicago and neither the Board of Trade of the City of Chicago, nor its affiliates, sponsor or endorse Nadex or its products in any way.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the Corn Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows:

(i) DAILY VARIABLE CORN CONTRACTS, 2:15 PM ET CLOSE SPREAD

- At the commencement of trading in a Daily Spread Corn Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY VARIABLE PAYOUT CONTRACT ‘SPREAD’

(aa) CAP – The Cap shall be  $X + 20$ .

(bb) FLOOR – The Floor shall be  $X - 20$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(2) In each case, “X” equals the last Corn price, as reported by the Source Agency, rounded to the nearest 10.

(ii) DAILY VARIABLE CORN CONTRACTS, 2:15 PM ET CLOSE

NARROW SPREAD – At the commencement of trading in a Daily Narrow Spread Corn Variable Payout Contract, Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges referred to as ‘Narrow Spreads’, which conform to the Payout Criteria listed below:

(1) DAILY VARIABLE PAYOUT CONTRACTS ‘NARROW SPREAD’

(aa) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 20$ .

(bb) CONTRACT 2: The Cap shall be  $X + 10$ ; The Floor shall be  $X - 10$ .

(cc) CONTRACT 3: The CAP shall be  $X + 20$ ; The Floor shall be  $X$ .

(dd) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(2) In each case, “X” equals the last Corn price, as reported by the Source Agency rounded to the nearest 10.

(iii) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Corn Variable Payout Contracts shall be 0.10.

(h) POSITION LIMIT – The Position Limits for Corn Variable Payout Contracts shall be 62,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the Corn Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Corn as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) CNFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Corn Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of CNFC trade prices and the lowest twenty (20) percent of five (5) CNFC trade prices from the data set<sup>27</sup>, and using the remaining fifteen (15) CNFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) CNFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) CNFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Corn Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) CNFC trade prices just prior to the close of trading of the Corn Variable Contract removing the highest five (5) CNFC trade prices and the lowest five (5) CNFC trade prices, and using the remaining fifteen (15) CNFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) CNFC trade prices, rounded to one decimal point past the precision of the underlying market.

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<sup>27</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source agency, the Settlement Date will be delayed until the Underlying number is released for the Series.

## RULE 12.13 CORN BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Corn Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Corn price per bushel (in U.S. cents), herein after referred to as “Corn”, as calculated by Nadex using a proprietary algorithm which takes a sampling of prices<sup>28</sup> obtained from the specified Corn Futures Contracts (“CNFC”) currently trading on the Chicago Board of Trade (CBOT®)<sup>29</sup>. The CNFC prices that will be used to calculate the Underlying will be taken from the March, May, July, or December CNFC delivery months (each a “CNFC Delivery Month”). The Start and End Date for which Nadex will use a specific delivery month as the Underlying, will be set based on the Settlement date of the Underlying futures contract. The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the last day preceding the Start Date. The Start Date will be the 12<sup>th</sup> business day of the calendar month that precedes the Underlying futures contracts current lead month. For example, if the CBOT Corn May 2014 futures is the current lead month and used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Corn contracts, the CBOT Corn July 2014 futures will become the current lead month on April 16, 2014, the 12<sup>th</sup> business day of the month preceding the current lead month (May), and become the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Corn contracts. The last day on which the Corn May 2014 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date is April 15, 2014, which is the last trading day preceding April 16, 2014, the Start Date of the July 2014 futures<sup>30</sup>.

(c) SOURCE AGENCY – The Source Agency is Nadex.

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<sup>28</sup> *Supra*, at fn 14.

<sup>29</sup> *Supra*, at fn 15.

<sup>30</sup> Weekly contracts listed on a Monday during a week containing an Underlying futures rollover date will be listed using the Underlying futures month scheduled to be used to determine the Expiration Value on the day the contract expires. For example, the Start Date for the CBOT Corn July 2014 Underlying futures is April 16, 2014. April 16, 2014 is a Wednesday, and therefore, any Nadex weekly contracts listed on Monday, April 14, 2014 and expiring on Friday, April 18, 2014, will be listed using the CBOT Corn July 2014 futures as its Underlying, as July is the futures month scheduled to be used to determine the Expiration Value of the Nadex weekly contract on its expiration date. Therefore, the Start Date for the CBOT Corn July 2014 futures will be Monday, April 14, 2014 for any Nadex weekly contracts listed on this date.



(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the Corn Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY CORN BINARY CONTRACTS

(1) EXPIRATION TIME – 2:15PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 5.0.

(3) NUMBER OF STRIKE LEVELS LISTED - Seven (7) strike levels will be listed for each Weekly Corn Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.5 as reported by the Source Agency. Three (3) strike levels will be generated above Binary Contract W at an interval of 5.0, and three (3) strike levels will be generated below Binary Contract W at an interval of 5.0 (e.g.  $W - 5.0$ ;  $W$ ;  $W + 5.0$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY CORN BINARY CONTRACTS

(1) EXPIRATION TIME – 2:15PM ET CLOSE

2.0. (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be

(3) NUMBER OF STRIKE LEVELS LISTED – Fifteen (15) strike levels will be listed for each Daily Corn Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in

1 as reported by the Source Agency. Seven (7) strike levels will be generated above Binary Contract Y at an interval of 2.0, and seven (7) strike levels will be generated below Binary Contract Y at an interval of 2.0 (e.g.  $Y - 2.0$ ;  $Y$ ;  $Y + 2.0$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) Nadex may list additional Corn Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK - The Minimum Tick size for Corn Binary Contracts shall be \$0.25.

(h) POSITION LIMIT - The Position Limit for Corn Binary Contracts shall be 2,500 Contracts.

(i) LAST TRADING DATE - The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE - The Settlement Date will be the same date as the Expiration Date.

(k) EXPIRATION DATE - The Expiration Date of the Contract will be the date on which the Corn Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE - The Settlement Value is the amount paid to the holder of the in the money Contract on the Settlement Date. The Settlement Value of an in the money Corn Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Corn as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) CNFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Corn Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of CNFC trade prices and the lowest twenty (20) percent of five (5) CNFC trade prices from the data set<sup>31</sup>, and using the remaining fifteen (15) CNFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) CNFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) CNFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Corn Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) CNFC trade prices just prior to the close of trading of the Corn Binary Contract removing the highest five (5) CNFC trade prices and the

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<sup>31</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

lowest five (5) CNFC trade prices, and using the remaining fifteen (15) CNFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) CNFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES - If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.14 SOYBEANS VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Soybeans Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Soybean price per bushel (in U.S. cents), herein after referred to as “Soybean” or “Soybeans”, as calculated by Nadex using a proprietary algorithm which takes a sampling of prices<sup>32</sup> obtained from the specified Soybean Futures contracts (“SBFC”) currently trading on the Chicago Board of Trade (CBOT®)<sup>33</sup>. The SBFC prices that will be used to calculate the Underlying will be taken from the January, March, May, July, or November SBFC delivery months (each a “SBFC Delivery Month”). The Start and End Date for which Nadex will use a specific delivery month as the Underlying, will be set based on the Settlement date of the Underlying futures contract. The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the last day preceding the Start Date. The Start Date will be the 12<sup>th</sup> business day of the calendar month that precedes the Underlying futures contracts current lead month. For example, if the CBOT Soybeans May 2014 futures is the current lead month and used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Soybeans contracts, the CBOT Soybeans July 2014 futures will become the current lead month on April 16, 2014, the 12<sup>th</sup> business day of the month preceding the current lead month (May), and become the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Soybeans contracts. The last day on which the Soybeans May 2014 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date is April 15, 2014, which is the last trading day preceding April 16, 2014, the Start Date of the July 2014 futures.

(c) SOURCE AGENCY – The Source Agency is Nadex.

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<sup>32</sup> The term “Prices” does not include any settlement prices calculated or issued by CBOT. Nadex only uses the prices reported on the CBOT in order to formulate its own Expiration Value.

<sup>33</sup> CBOT® is a registered service mark of the Board of Trade of the City of Chicago. Nadex is not affiliated with the Board of Trade of the City of Chicago and neither the Board of Trade of the City of Chicago, nor its affiliates, sponsor or endorse Nadex or its products in any way.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the Soybeans Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows:

(i) DAILY VARIABLE SOYBEANS CONTRACTS, 2:15 PM ET CLOSE SPREAD - At the commencement of trading in a Daily Spread Soybeans Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY VARIABLE PAYOUT CONTRACT ‘SPREAD’

(aa) CAP – The Cap shall be  $X + 40$ .

(bb) FLOOR – The Floor shall be  $X - 40$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(5) In each case, “X” equals the last Soybeans price, as reported by the Source Agency, rounded to the nearest 10.

(ii) DAILY VARIABLE SOYBEANS CONTRACTS, 2:15 PM ET CLOSE NARROW SPREAD – At the commencement of trading in a Daily Narrow Spread Soybeans Variable Payout Contract, Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges referred to as ‘Narrow Spreads’, which conform to the Payout Criteria listed below:

(1) DAILY VARIABLE PAYOUT CONTRACTS ‘NARROW SPREAD’

(aa) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 40$ .

(bb) CONTRACT 2; The Cap shall be  $X + 20$ ; The Floor shall be  $X - 20$ .

(cc) CONTRACT 3: The CAP shall be  $X + 40$ ; The Floor shall be  $X$ .

(dd) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(2) In each case, “X” equals the last Soybeans price, as reported by the Source Agency rounded to the nearest 10.

(iii) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Soybeans Variable Payout Contracts shall be 0.10.

(h) POSITION LIMIT – The Position Limits for Soybeans Variable Payout Contracts shall be 31,250 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the Soybeans Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Soybeans as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) SBFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Soybeans Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of SBFC trade prices and the lowest twenty (20) percent of five (5) SBFC trade prices from the data set<sup>34</sup>, and using the remaining fifteen (15) SBFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) SBFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) SBFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Soybeans Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) SBFC trade prices just prior to the close of trading of the Soybeans Variable Contract removing the highest five (5)

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<sup>34</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

SBFC trade prices and the lowest five (5) SBFC trade prices, and using the remaining fifteen (15) SBFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) SBFC trade prices, rounded to one decimal point past the precision of the underlying market.

(o) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source agency, the Settlement Date will be delayed until the Underlying number is released for the Series.

## RULE 12.15 SOYBEAN BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Soybean Binary Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Soybean price per bushel (in U.S. cents), herein after referred to as “Soybean” or “Soybeans”, as calculated by Nadex using a proprietary algorithm which takes a sampling of prices<sup>35</sup> obtained from the specified Soybean Futures contracts (“SBFC”) currently trading in the Chicago Board of Trade (CBOT®)<sup>36</sup> The SBFC prices that will be used to calculate the Underlying will be taken from the January, March, May, July, or November SBFC delivery months (each a “SBFC Delivery Month”). The Start and End Date for which Nadex will use a specific delivery month as the Underlying, will be set based on the Settlement date of the Underlying futures contract. The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the last day preceding the Start Date. The Start Date will be the 12<sup>th</sup> business day of the calendar month that precedes the Underlying futures contracts current lead month. For example, if the CBOT Soybeans May 2014 futures is the current lead month and used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Soybeans contracts, the CBOT Soybeans July 2014 futures will become the current lead month on April 16, 2014, the 12<sup>th</sup> business day of the month preceding the current lead month (May), and become the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Soybeans contracts. The last day on which the Soybeans May 2014 futures prices will be used as the Underlying for Nadex contracts and to

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<sup>35</sup> The term “Prices” does not include any settlement prices calculated or issued by CBOT. Nadex only uses the prices reported on the CBOT in order to formulate its own Expiration Value.

<sup>36</sup> CBOT® is a registered service mark of the Chicago Board of Trade. Nadex is not affiliated with the Chicago Board of Trade and neither the Chicago Board of Trade, nor its affiliates, sponsor or endorse Nadex in any way.

calculate the Expiration Value on the Expiration Date is April 15, 2014, which is the last trading day preceding April 16, 2014, the Start Date of the July 2014 futures<sup>37</sup>.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the Soybean Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY SOYBEANS BINARY CONTRACTS

(1) EXPIRATION TIME – 2:15PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 10.0.

(3) NUMBER OF STRIKE LEVELS LISTED - Seven (7) strike levels will be listed for each Weekly Soybeans Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.5 as reported by the Source Agency. Three (3) strike levels will be generated above Binary Contract W at an interval of 10.0, and three (3) strike levels will be generated below Binary Contract W at an interval of 10.0 (e.g.  $W - 10.0$ ;  $W$ ;  $W + 10.0$ ). The Contract will have a Payout Criterion of greater than the strike level value.

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<sup>37</sup> Weekly contracts listed on a Monday during a week containing an Underlying futures rollover date will be listed using the Underlying futures month scheduled to be used to determine the Expiration Value on the day the contract expires. For example, the Start Date for the CBOT Soybeans July 2014 Underlying futures is April 16, 2014. April 16, 2014 is a Wednesday, and therefore, any Nadex weekly contracts listed on Monday, April 14, 2014 and expiring on Friday, April 18, 2014, will be listed using the CBOT Soybeans July 2014 futures as its Underlying, as July is the futures month scheduled to be used to determine the Expiration Value of the Nadex weekly contract on its expiration date. Therefore, the Start Date for the CBOT Soybeans July 2014 futures will be Monday, April 14, 2014 for any Nadex weekly contracts listed on this date.

(ii) DAILY SOYBEANS BINARY CONTRACTS

- 3.0.
- (1) EXPIRATION TIME – 2:15PM ET CLOSE
  - (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 3.0.
  - (3) NUMBER OF STRIKE LEVELS LISTED – Fifteen (15) strike levels will be listed for each Daily Corn Binary Contract Series.
  - (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 1 as reported by the Source Agency. Seven (7) strike levels will be generated above Binary Contract Y at an interval of 3.0, and seven (7) strike levels will be generated below Binary Contract Y at an interval of 3.0 (e.g.  $Y - 3.0$ ;  $Y$ ;  $Y + 3.0$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) Nadex may list additional Soybean Binary Contract with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

- (g) MINIMUM TICK - The Minimum Tick size for Soybean Binary Contracts shall be \$0.25.
- (h) POSITION LIMIT - The Position Limit for Soybean Binary Contract shall be 2500 Contracts.
- (i) LAST TRADING DATE - The Last Trading Date in a Series is the same date as the Expiration Date.
- (j) SETTLEMENT DATE - The Settlement Date will be the same date as the Expiration Date.
- (k) EXPIRATION DATE - The Expiration Date of the Contract will be the date on which the Expiration Value is released by the Source Agency.
- (l) SETTLEMENT VALUE - The Settlement Value is the amount paid to the holder of the in the money Contract on the Settlement Date. The Settlement Value of an in the money Soybean Binary Contract is \$100.
- (m) EXPIRATION VALUE – The Expiration Value is the price or value of Soybeans as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty five (25) SBFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Soybeans Variable Contract, provided at



least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of SBFC trade prices and the lowest twenty (20) percent of five (5) SBFC trade prices from the data set<sup>38</sup>, and using the remaining fifteen (15) SBFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) SBFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) SBFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Soybeans Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) SBFC trade prices just prior to the close of trading of the Soybeans Binary Contract removing the highest five (5) SBFC trade prices and the lowest five (5) SBFC trade prices, and using the remaining fifteen (15) SBFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) SBFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES - If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

RULE 12.16 – 12.19 [RESERVED]

RULE 12.20 [UNCHANGED]

RULE 12.21 – 12.25 [RESERVED]

#### RULE 12.26 CURRENCY EXCHANGE AUD/USD VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange AUD/USD (“AUD/USD”) Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Australian dollar/US dollar, herein referred to as “AUD/USD” as quoted in US dollars per Australian dollar obtained from the spot AUD/USD foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

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<sup>38</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the AUD/USD Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY VARIABLE AUD/USD SPREAD CONTRACTS, 3:00 PM ET CLOSE - At the commencement of trading in a Daily Spread AUD/USD Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to one of the Payout Criteria listed below:

(1) DAILY VARIABLE AUD/USD SPREAD CONTRACT:

(aa) CAP – The Cap shall be  $X + 0.0250$ .

(bb) FLOOR – The Floor shall be  $X - 0.0250$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(2) In each case, “X” equals the last AUD/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(ii) DAILY VARIABLE AUD/USD SPREAD CONTRACTS, 3:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 0.0250$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.0125$ ; The Floor shall be  $X - 0.0125$ .

(3) CONTRACT 3: The Cap shall be  $X + 0.0250$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last AUD/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(iii) INTRADAY VARIABLE AUD/USD SPREAD CONTRACTS, 6:00PM to 11:00PM, 11:00PM to 7:00AM, and 7:00AM to 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be X- 0.0200.

(2) CONTRACT 2: The Cap shall be X + 0.0100; The Floor shall be X – 0.0100

(3) CONTRACT 3: The Cap shall be X + 0.0200; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last AUD/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(iv) INTRADAY 2-HOUR VARIABLE AUD/USD SPREAD CONTRACTS, 8:00PM, 9:00PM, 10:00PM, 11:00PM, 12:00AM, 1:00AM, 2:00AM, 3:00AM, 4:00AM, 5:00AM, 6:00AM, 7:00AM, 8:00AM, 9:00AM, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, and 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be X- 0.0100.

(2) CONTRACT 2: The Cap shall be X + 0.0050; The Floor shall be X – 0.0050

(3) CONTRACT 3: The Cap shall be X + 0.0100; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last AUD/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for AUD/USD Variable Payout Contracts shall be 0.0001.

(h) POSITION LIMIT – There are currently no Position Limits for AUD/USD Variable Payout Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the AUD/USD Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of AUD/USD released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the AUD/USD Variable Payout Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>39</sup>, using the remaining ~~four (4)~~ AUD/USD Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) AUD/USD Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the AUD/USD Variable Payout Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) AUD/USD Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) AUD/USD Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

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<sup>39</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

## RULE 12.27 CURRENCY EXCHANGE AUD/USD BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange AUD/USD (“AUD/USD”) Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Australian dollar/US dollar herein referred to as “AUD/USD” as quoted in U.S. dollars per Australian dollar obtained from the spot AUD/USD foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the AUD/USD Binary Contract, the Payout Criteria for the Contracts will be set as follows:

### (i) WEEKLY AUD/USD BINARY CONTRACTS

(1) EXPIRATION TIME – 3 PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0050.

(3) NUMBER OF STRIKE LEVELS LISTED - Fourteen (14) strike levels will be listed for each Weekly AUD/USD Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.0025 or 0.0075 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract W at an interval of 0.0050, and seven (7) strike levels will be generated below Binary Contract W at an interval of 0.0050 (e.g.  $W - 0.0050$ ;  $W$ ;  $W + 0.0050$ ). The Contract will have a Payout Criterion of greater than the strike level value.

### (ii) DAILY AUD/USD BINARY CONTRACTS

- (1) EXPIRATION TIME – 3 AM, 7 AM, 11 AM, 3 PM, 7 PM, 11 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0020.
- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily AUD/USD Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0020 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract X at an interval of 0.0020, and ten (10) strike levels will be generated below Binary Contract X at an interval of 0.0020 (e.g.  $X - 0.0020$ ;  $X$ ;  $X + 0.0020$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY 2-HOUR AUD/USD BINARY CONTRACTS

- (1) EXPIRATION TIME – 8 PM, 9 PM, 10 PM, 11 PM, 12 AM, 1 AM, 2 AM, 3 AM, 4 AM, 5 AM, 6 AM, 7 AM, 8 AM, 9 AM, 10 AM, 11 AM, 12 PM, 1 PM, 2 PM, 3 PM, 4 PM, 5 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0004.
- (3) NUMBER OF STRIKE LEVELS LISTED – Nineteen (19) strike levels will be listed for each Intraday 2-Hour AUD/USD Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.0000, 0.0002, 0.0004, 0.0006, or 0.0008 as reported by the Source Agency. Nine (9) strike levels will be generated above Binary Contract Y at an interval of 0.0004, and nine (9) strike levels will be generated below Binary Contract Y at an interval of 0.0004 (e.g.  $Y - 0.0004$ ;  $Y$ ;  $Y + 0.0004$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) INTRADAY 5-MINUTE AUD/USD BINARY CONTRACTS

- (1) EXPIRATION TIME – 5-Minute Binary Contracts will expire every 5 minutes beginning Sunday at 6:05pm ET and ending Friday at 4:00pm ET.
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0002 for expirations occurring between 6:05pm ET and 8:05am ET and between 12:10pm ET and 5:00pm ET; the interval width shall be 0.0004 for expirations occurring between 8:10am ET and 12:05pm ET.
- (3) NUMBER OF STRIKE LEVELS LISTED – Five (5) strike levels will be listed for each Intraday 5-Minute AUD/USD Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.0001, 0.0003, 0.0005, 0.0007, or 0.0009 as reported by the Source Agency. For expirations occurring between 6:05pm ET and 8:05am ET and between 12:10pm ET and 5:00pm ET, two (2) strike levels will be generated above Binary Contract Z at an interval of 0.0002, and two (2) strike levels will be generated below Binary Contract Z at an interval of 0.0002 (e.g. Z – 0.0002; Z; Z + 0.0002). The Contract will have a Payout Criterion of greater than the strike level value. For expirations occurring between 8:10am ET and 12:05pm ET, two (2) strike levels will be generated above Binary Contract Z at an interval of 0.0004, and two (2) strike levels will be generated below Binary Contract Z at an interval of 0.0004 (e.g. Z – 0.0004; Z; Z + 0.0004). The Contract will have a Payout Criterion of greater than the strike level value.
- (5) Nadex may, in its discretion, temporarily refrain from the listing of any 5-Minute Binary Contract due to the unavailability of the underlying market upon which the Contract is based, or any other condition Nadex determines may be detrimental to the listing of the Contract.

(v) Nadex may list additional AUD/USD Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for AUD/USD Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – There are currently no Position Limits for AUD/USD Binary Contract.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same as the Expiration Date. No trading in the AUD/USD Binary Contracts shall occur after its Last Trading Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date on which the AUD/USD number as reported by the Source Agency.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the AUD/USD number is scheduled to be released.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on the Settlement Date. The Settlement Value of an in the money AUD/USD Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of AUD/USD released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the AUD/USD Binary Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>40</sup>, using the remaining four (4) AUD/USD Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) AUD/USD Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the AUD/USD Binary Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) AUD/USD Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) AUD/USD Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

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<sup>40</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.



(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.28 CURRENCY EXCHANGE EUR/USD VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange EUR/USD (“EUR/USD”) Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Euro/US dollar, herein referred to as “EUR/USD” as quoted in US dollars per Euro obtained from the spot EUR/USD foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the EUR/USD Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY VARIABLE EUR/USD SPREAD CONTRACTS, 3:00 PM ET CLOSE - At the commencement of trading in a Daily Spread EUR/USD Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to one of the Payout Criteria listed below:

(1) DAILY VARIABLE EUR/USD SPREAD CONTRACT:

(aa) CAP – The Cap shall be  $X + 0.0250$ .

(bb) FLOOR – The Floor shall be  $X - 0.0250$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(2) In each case, “X” equals the last EUR/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(ii) DAILY VARIABLE EUR/USD SPREAD CONTRACTS, 3:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 0.0250$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.0125$ ; The Floor shall be  $X - 0.0125$ .

(3) CONTRACT 3: The Cap shall be  $X + 0.0250$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last EUR/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(iii) INTRADAY VARIABLE EUR/USD SPREAD CONTRACTS, 6:00PM to 11:00PM, 11:00PM to 7:00AM, and 7:00AM to 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 0.0250$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.0125$ ; The Floor shall be  $X - 0.0125$

(3) CONTRACT 3: The Cap shall be  $X + 0.0250$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last EUR/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(iv) INTRADAY 2-HOUR VARIABLE EUR/USD SPREAD CONTRACTS, 8:00PM, 9:00PM, 10:00PM, 11:00PM, 12:00AM, 1:00AM, 2:00AM, 3:00AM, 4:00AM, 5:00AM, 6:00AM, 7:00AM, 8:00AM, 9:00AM, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, and 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 0.0100$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.0050$ ; The Floor shall be  $X - 0.0050$

(3) CONTRACT 3: The Cap shall be  $X + 0.0100$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last EUR/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for EUR/USD Variable Payout Contracts shall be 0.0001.

(h) POSITION LIMIT – There are currently no Position Limits for EUR/USD Variable Payout Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the EUR/USD Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of EUR/USD released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the EUR/USD Variable Payout Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>41</sup>, using the remaining ~~four (4)~~ EUR/USD Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) EUR/USD Midpoints, rounded to one decimal point past the precision of the underlying market.

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<sup>41</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the EUR/USD Variable Payout Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) EUR/USD Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) EUR/USD Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.29 CURRENCY EXCHANGE EUR/USD BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange EUR/USD (“EUR/USD”) Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Euro/US dollar herein referred to as “EUR/USD” as quoted in U.S. dollars per Euro obtained from the spot EUR/USD foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the EUR/USD Binary Contract, the Payout Criteria for the Contracts will be set as follows:

##### (i) WEEKLY EUR/USD BINARY CONTRACTS

(1) EXPIRATION TIME – 3 PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level

69

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shall be 0.0050.

- (3) NUMBER OF STRIKE LEVELS LISTED - Fourteen (14) strike levels will be listed for each Weekly EUR/USD Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0025 or 0.0075 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract W at an interval of 0.0050, and seven (7) strike levels will be generated below Binary Contract W at an interval of 0.0050 (e.g.  $W - 0.0050$ ;  $W$ ;  $W + 0.0050$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY EUR/USD BINARY CONTRACTS

- (1) EXPIRATION TIME – 3 AM, 7 AM, 11 AM, 3 PM, 7 PM, 11 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0020.
- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily EUR/USD Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0020 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract X at an interval of 0.0020, and ten (10) strike levels will be generated below Binary Contract X at an interval of 0.0020 (e.g.  $X - 0.0020$ ;  $X$ ;  $X + 0.0020$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY 2-HOUR EUR/USD BINARY CONTRACTS

- (1) EXPIRATION TIME – 8 PM, 9 PM, 10 PM, 11 PM, 12 AM, 1 AM, 2 AM, 3 AM, 4 AM, 5 AM, 6 AM, 7 AM, 8 AM, 9 AM, 10 AM, 11 AM, 12 PM, 1 PM , 2 PM, 3 PM, 4 PM, 5 PM ET CLOSE

- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0004.
- (3) NUMBER OF STRIKE LEVELS LISTED – Nineteen (19) strike levels will be listed for each Intraday 2-Hour EUR/USD Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.0000, 0.0002, 0.0004, 0.0006, or 0.0008 as reported by the Source Agency. Nine (9) strike levels will be generated above Binary Contract Y at an interval of 0.0004, and nine (9) strike levels will be generated below Binary Contract Y at an interval of 0.0004 (e.g.  $Y - 0.0004$ ;  $Y$ ;  $Y + 0.0004$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) INTRADAY 5-MINUTE EUR/USD BINARY CONTRACTS

- (1) EXPIRATION TIME – 5-Minute Binary Contracts will expire every 5 minutes beginning Sunday at 6:05pm ET and ending Friday at 4:00pm ET.
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0002 for expirations occurring between 6:05pm ET and 8:05am ET and between 12:10pm ET and 5:00pm ET; the interval width shall be 0.0004 for expirations occurring between 8:10am ET and 12:05pm ET.
- (3) NUMBER OF STRIKE LEVELS LISTED – Five (5) strike levels will be listed for each Intraday 5-Minute EUR/USD Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.0001, 0.0003, 0.0005, 0.0007, or 0.0009 as reported by the Source Agency. For expirations occurring between 6:05pm ET and 8:05am ET and between 12:10pm ET and 5:00pm ET, two (2) strike levels will be generated above Binary Contract Z at an interval of 0.0002, and two (2) strike levels will be generated below Binary Contract Z at an interval of 0.0002 (e.g.  $Z - 0.0002$ ;  $Z$ ;  $Z + 0.0002$ ). The Contract will have a Payout Criterion of greater than the strike level value. For expirations occurring between 8:10am ET and 12:05pm ET, two (2) strike levels will be generated above Binary Contract Z at an interval of 0.0004,

and two (2) strike levels will be generated below Binary Contract Z at an interval of 0.0004 (e.g. Z – 0.0004; Z; Z + 0.0004). The Contract will have a Payout Criterion of greater than the strike level value.

(5) Nadex may, in its discretion, temporarily refrain from the listing of any 5-Minute Binary Contract due to the unavailability of the underlying market upon which the Contract is based, or any other condition Nadex determines may be detrimental to the listing of the Contract.

(v) Nadex may list additional EUR/USD Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for EUR/USD Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – There are currently no Position Limits for EUR/USD Binary Contract.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same as the Expiration Date. No trading in the EUR/USD Binary Contracts shall occur after its Last Trading Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date on which the EUR/USD number as reported by the Source Agency.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the EUR/USD number is scheduled to be released.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on the Settlement Date. The Settlement Value of an in the money EUR/USD Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of EUR/USD released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the EUR/USD Binary Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>42</sup>, using the remaining four (4) EUR/USD Midpoints to

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<sup>42</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the

calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) EUR/USD Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the EUR/USD Binary Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) EUR/USD Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) EUR/USD Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.30 CURRENCY EXCHANGE GBP/USD VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange GBP/USD (“GBP/USD”) Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the British Pound/ US dollar, herein referred to as “GBP/USD” as quoted in US dollars per British Pound obtained from the spot GBP/USD foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the GBP/USD Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

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close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.



(i) DAILY VARIABLE GBP/USD CONTRACTS, 3:00 PM ET CLOSE  
SPREAD - At the commencement of trading in a Daily Spread USD/USD Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a 'Spread', which conforms to one of the Payout Criteria listed below:

(1) DAILY VARIABLE GBP/USD SPREAD CONTRACT

(aa) CAP – The Cap shall be  $X + 0.0250$ .

(bb) FLOOR – The Floor shall be  $X - 0.0250$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(2) In each case, "X" equals the last GBP/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(ii) DAILY VARIABLE GBP/USD SPREAD CONTRACTS, 3:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 0.0250$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.0125$ ; The Floor shall be  $X - 0.0125$ .

(3) CONTRACT 3: The Cap shall be  $X + 0.0250$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, "X" equals the last GBP/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(iii) INTRADAY VARIABLE GBP/USD SPREAD CONTRACTS, 6:00PM to 11:00PM, 11:00PM to 7:00AM, and 7:00AM to 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 0.0300$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.0150$ ; The Floor shall be  $X - 0.0150$

(3) CONTRACT 3: The Cap shall be  $X + 0.0300$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last GBP/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(iv) INTRADAY 2-HOUR VARIABLE GBP/USD SPREAD CONTRACTS, 8:00PM, 9:00PM, 10:00PM, 11:00PM, 12:00AM, 1:00AM, 2:00AM, 3:00AM, 4:00AM, 5:00AM, 6:00AM, 7:00AM, 8:00AM, 9:00AM, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, and 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be X- 0.0150.

(2) CONTRACT 2: The Cap shall be X + 0.0075; The Floor shall be X – 0.0075.

(3) CONTRACT 3: The Cap shall be X + 0.0150; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last GBP/USD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for GBP/USD Variable Payout Contracts shall be 0.0001.

(h) POSITION LIMIT – There are currently no Position Limits for GBP/USD Variable Payout Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series shall be the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the GBP/USD Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable

Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of GBP/USD released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the GBP/USD Variable Payout Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>43</sup>, using the remaining ~~four (4)~~ GBP/USD Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) GBP/USD Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the GBP/USD Variable Payout Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) GBP/USD Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) GBP/USD Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

## RULE 12.31 CURRENCY EXCHANGE GBP/USD BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange GBP/USD (“GBP/USD”) Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the British Pound/US dollar herein referred to as “GBP/USD” as quoted in US dollars per British Pound obtained from the spot GBP/USD foreign currency market.

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<sup>43</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the GBP/USD Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY GBP/USD BINARY CONTRACTS

(1) EXPIRATION TIME – 3 PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0050.

(3) NUMBER OF STRIKE LEVELS LISTED - Fourteen (14) strike levels will be listed for each Weekly GBP/USD Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0025 or 0.0075 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract W at an interval of 0.0050, and seven (7) strike levels will be generated below Binary Contract W at an interval of 0.0050 (e.g.  $W - 0.0050$ ;  $W$ ;  $W + 0.0050$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY GBP/USD BINARY CONTRACTS

(1) EXPIRATION TIME – 3 AM, 7 AM, 11 AM, 3 PM, 7 PM, 11 PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0020.

(3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily GBP/USD Binary Contract Series.

- (4) **STRIKE LEVELS GENERATED** - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0020 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract X at an interval of 0.0020, and ten (10) strike levels will be generated below Binary Contract X at an interval of 0.0020 (e.g.  $X - 0.0020$ ;  $X$ ;  $X + 0.0020$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) **INTRADAY 2-HOUR GBP/USD BINARY CONTRACTS**

- (1) **EXPIRATION TIME** – 8 PM, 9 PM, 10 PM, 11 PM, 12 AM, 1 AM, 2 AM, 3 AM, 4 AM, 5 AM, 6 AM, 7 AM, 8 AM, 9 AM, 10 AM, 11 AM, 12 PM, 1 PM, 2 PM, 3 PM, 4 PM, 5 PM ET CLOSE
- (2) **STRIKE INTERVAL WIDTH** – The interval width between each strike level shall be 0.0010.
- (3) **NUMBER OF STRIKE LEVELS LISTED** – Nine (9) strike levels will be listed for each Intraday 2-Hour GBP/USD Binary Contract Series.
- (4) **STRIKE LEVELS GENERATED** - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.0000, 0.0002, 0.0004, 0.0006, or 0.0008 as reported by the Source Agency. Four (4) strike levels will be generated above Binary Contract Y at an interval of 0.0010, and four (4) strike levels will be generated below Binary Contract Y at an interval of 0.0010 (e.g.  $Y - 0.0010$ ;  $Y$ ;  $Y + 0.0010$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) **INTRADAY 5-MINUTE GBP/USD BINARY CONTRACTS**

- (1) **EXPIRATION TIME** – 5-Minute Binary Contracts will expire every 5 Minutes beginning Sunday at 6:05pm ET and ending Friday at 4:00pm ET.
- (2) **STRIKE INTERVAL WIDTH** – The interval width between each strike level shall be 0.0002 for expirations occurring between 6:05pm ET and 8:05am ET and between 12:10pm ET and 5:00pm ET; the interval width shall be 0.0004 for expirations occurring between 8:10am ET and 12:05pm ET.

- (3) NUMBER OF STRIKE LEVELS LISTED – Five (5) strike levels will be listed for each Intraday 5-Minute GBP/USD Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.0001, 0.0003, 0.0005, 0.0007, or 0.0009, as reported by the Source Agency. For expirations occurring between 6:05pm ET and 8:05am ET and between 12:10pm ET and 5:00pm ET, two (2) strike levels will be generated above Binary Contract Z at an interval of 0.0002, and two (2) strike levels will be generated below Binary Contract Z at an interval of 0.0002 (e.g.  $Z - 0.0002$ ;  $Z$ ;  $Z + 0.0002$ ). The Contract will have a Payout Criterion of greater than the strike level value. For expirations occurring between 8:10am ET and 12:05pm ET, two (2) strike levels will be generated above Binary Contract Z at an interval of 0.0004, and two (2) strike levels will be generated below Binary Contract Z at an interval of 0.0004 (e.g.  $Z - 0.0004$ ;  $Z$ ;  $Z + 0.0004$ ). The Contract will have a Payout Criterion of greater than the strike level value.
- (5) Nadex may, in its discretion, temporarily refrain from the listing of any 5-Minute Binary Contract due to the unavailability of the underlying market upon which the Contract is based, or any other condition Nadex determines may be detrimental to the listing of the Contract.

(v) Nadex may list additional GBP/USD Binary Contract with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for GBP/USD Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – There are currently no Position Limits for GBP/USD Binary Contract.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date. No trading in the GBP/USD Binary Contracts shall occur after its Last Trading Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date the GBP/USD number is scheduled to be released.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the GBP/USD number is scheduled to be released.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on the Settlement Date. The Settlement Value of an in the money GBP/USD Binary Contract is \$100.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of GBP/USD released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the GBP/USD Binary Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>44</sup>, using the remaining four (4) GBP/USD Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) GBP/USD Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the GBP/USD Binary Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) GBP/USD Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) GBP/USD Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

## RULE 12.32 CURRENCY EXCHANGE USD/CAD VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange USD/CAD (“USD/CAD”) Variable Payout Contracts issued by Nadex.

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<sup>44</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

(b) UNDERLYING – The Underlying for this Class of Contracts is the US the US Dollar/ Canadian Dollar, herein referred to as “USD/CAD” as quoted in US dollars per Canadian Dollar obtained from the spot USD/CAD foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the USD/CAD Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY VARIABLE USD/CAD CONTRACTS, 3:00 PM ET CLOSE SPREAD - At the commencement of trading in a Daily Spread USD/CAD Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY VARIABLE USD/CAD SPREAD CONTRACT

(aa) CAP – The Cap shall be  $X + 0.0250$ .

(bb) FLOOR – The Floor shall be  $X - 0.0250$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(2) In each case, “X” equals the last USD/CAD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(ii) DAILY VARIABLE USD/CAD SPREAD CONTRACTS, 3:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 0.0250$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.0125$ ; The Floor shall be  $X - 0.0125$ .

(3) CONTRACT 3: The Cap shall be  $X + 0.0250$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.



(5) In each case, “X” equals the last USD/CAD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(iii) INTRADAY VARIABLE USD/CAD SPREAD CONTRACTS, 6:00PM to 11:00PM, 11:00PM to 7:00AM, 7:00AM to 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X; The Floor shall be X- 0.0200.
- (2) CONTRACT 2: The Cap shall be X + 0.0100; The Floor shall be X – 0.0100
- (3) CONTRACT 3: The Cap shall be X + 0.0200; The Floor shall be X.
- (4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last USD/CAD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(iv) INTRADAY 2-HOUR VARIABLE USD/CAD SPREAD CONTRACTS, 8:00PM, 9:00PM, 10:00PM, 11:00PM, 12:00AM, 1:00AM, 2:00AM, 3:00AM, 4:00AM, 5:00AM, 6:00AM, 7:00AM, 8:00AM, 9:00AM, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, and 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X; The Floor shall be X- 0.0100.
- (2) CONTRACT 2: The Cap shall be X + 0.0050; The Floor shall be X – 0.0050
- (3) CONTRACT 3: The Cap shall be X + 0.0100; The Floor shall be X.
- (4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last USD/CAD price, as reported by the Source Agency, rounded to the nearest 0.0010.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for USD/CAD Variable Payout Contracts shall be 0.0001.

(h) POSITION LIMIT – There are currently no Position Limits for USD/CAD Variable Payout Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the USD/CAD Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of USD/CAD released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the USD/CAD Variable Payout Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>45</sup>, using the remaining four (4) USD/CAD Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) USD/CAD Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the USD/CAD Variable Payout Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) USD/CAD Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) USD/CAD Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is

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<sup>45</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

~~deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.~~

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.33 CURRENCY EXCHANGE USD/CAD BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange USD/CAD (“USD/CAD”) Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the US Dollar/ Canadian Dollar herein referred to as “USD/CAD” as quoted in Canadian Dollars per US dollars obtained from the spot USD/CAD foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the USD/CAD Binary Contract, the Payout Criteria for the Contracts will be set as follows:

##### (i) WEEKLY USD/CAD BINARY CONTRACTS

(1) EXPIRATION TIME – 3 PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0050.

(3) NUMBER OF STRIKE LEVELS LISTED - Fourteen (14) strike levels will be listed for each Weekly USD/CAD Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0025 or 0.0075 as reported by the Source Agency. Six (6)

strike levels will be generated above Binary Contract X at an interval of 0.0050, and seven (7) strike levels will be generated below Binary Contract X at an interval of 0.0050 (e.g.  $X - 0.0050$ ;  $X$ ;  $X + 0.0050$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY USD/CAD BINARY CONTRACTS

- (1) EXPIRATION TIME – 3 AM, 7 AM, 11 AM, 3 PM, 7 PM, 11 PM ET  
CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0020.
- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily USD/CAD Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0020 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract Y at an interval of 0.0020, and ten (10) strike levels will be generated below Binary Contract Y at an interval of 0.0020 (e.g.  $Y - 0.0020$ ;  $Y$ ;  $Y + 0.0020$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY USD/CAD BINARY CONTRACTS

- (1) EXPIRATION TIME – 10 AM, 11 AM, 12 PM, 1PM, 2 PM, 3 PM ET  
CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0010.
- (3) NUMBER OF STRIKE LEVELS LISTED – Nine (9) strike levels will be listed for each Intraday USD/CAD Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0001 as reported by the Source Agency. Four (4) strike

levels will be generated above Binary Contract Z at an interval of 0.0010, and four (4) strike levels will be generated below Binary Contract Z at an interval of 0.0010 (e.g.  $Z - 0.0010$ ;  $Z$ ;  $Z + 0.0010$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) Nadex may list additional USD/CAD Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations

(g) MINIMUM TICK – The Minimum Tick size for the USD/CAD Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – There are currently no Position Limits for USD/CAD Binary Contract.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date on which the USD/CAD Settlement Price is released by the Source Agency.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the USD/CAD Settlement Price is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on the Settlement Date. The Settlement Value for an in the money USD/CAD Binary Contract is \$100.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of USD/CAD released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the USD/CAD Binary Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>46</sup>, using the remaining four (4) USD/CAD Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) USD/CAD Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten

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<sup>46</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

(10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the USD/CAD Binary Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) USD/CAD Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) USD/CAD Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.34 CURRENCY EXCHANGE USD/CHF VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange USD/CHF (“USD/CHF”) Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the US dollar/ Swiss Franc, herein referred to as “USD/CHF” as quoted in the Swiss Franc per US dollars obtained from the spot USD/CHF foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the USD/CHF Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY VARIABLE USD/CHF CONTRACTS, 3:00 PM ET CLOSE  
SPREAD - At the commencement of trading in a Daily Spread USD/CHF Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

##### (1) DAILY VARIABLE USD/CHF SPREAD CONTRACT

87

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(aa) CAP – The Cap shall be  $X + 0.0250$ .

(bb) FLOOR – The Floor shall be  $X - 0.0250$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(2) In each case, “X” equals the last USD/CHF price, as reported by the Source Agency, rounded to the nearest 0.0010.

(ii) DAILY VARIABLE USD/CHF SPREAD CONTRACTS, 3:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 0.0250$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.0125$ ; The Floor shall be  $X - 0.0125$ .

(3) CONTRACT 3: The Cap shall be  $X + 0.0250$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last USD/CHF price, as reported by the Source Agency, rounded to the nearest 0.0010.

(iii) INTRADAY VARIABLE USD/CHF SPREAD CONTRACTS, 6:00PM to 11:00PM, 11:00PM to 7:00AM, 7:00AM to 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 0.0200$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.0100$ ; The Floor shall be  $X - 0.0100$

(3) CONTRACT 3: The Cap shall be  $X + 0.0200$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last USD/CHF price, as reported by the Source Agency, rounded to the nearest 0.0010.

(iv) INTRADAY 2-HOUR VARIABLE USD/CHF SPREAD CONTRACTS, 8:00PM, 9:00PM, 10:00PM, 11:00PM, 12:00AM, 1:00AM, 2:00AM, 3:00AM,

4:00AM, 5:00AM, 6:00AM, 7:00AM, 8:00AM, 9:00AM, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, and 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be X- 0.0100.

(2) CONTRACT 2: The Cap shall be X + 0.0050; The Floor shall be X – 0.0050

(3) CONTRACT 3: The Cap shall be X + 0.0100; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last USD/CHF price, as reported by the Source Agency, rounded to the nearest 0.0010.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for USD/CHF Variable Payout Contracts shall be 0.0001.

(h) POSITION LIMIT – There are currently no Position Limits for USD/CHF Variable Payout Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the USD/CHF Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of USD/CHF released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the USD/CHF



Variable Payout Contract, ~~provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>47</sup>, using the remaining four (4) USD/CHF Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) USD/CHF Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the USD/CHF Variable Payout Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) USD/CHF Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) USD/CHF Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.~~

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.35 CURRENCY EXCHANGE USD/CHF BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange USD/CHF (“USD/CHF”) Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the US dollar/ Swiss Franc herein referred to as “USD/CHF” as quoted in the Swiss Franc per US dollar obtained from the spot USD/CHF foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

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<sup>47</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the USD/CHF Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY USD/CHF BINARY CONTRACTS

- (1) EXPIRATION TIME – 3 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0050.
- (3) NUMBER OF STRIKE LEVELS LISTED - Fourteen (14) strike levels will be listed for each Weekly USD/CHF Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0025 or 0.0075 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract X at an interval of 0.0050, and seven (7) strike levels will be generated below Binary Contract X at an interval of 0.0050 (e.g.  $X - 0.0050$ ;  $X$ ;  $X + 0.0050$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY USD/CHF BINARY CONTRACTS

- (1) EXPIRATION TIME – 3 AM, 7 AM, 11 AM, 3 PM, 7 PM, 11 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0020.
- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily USD/CHF Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance

of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0020 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract Y at an interval of 0.0020, and ten (10) strike levels will be generated below Binary Contract Y at an interval of 0.0020 (e.g.  $Y - 0.0020$ ;  $Y$ ;  $Y + 0.0020$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY USD/CHF BINARY CONTRACTS

- (1) EXPIRATION TIME – 10 AM, 11 AM, 12 PM, 1 PM, 2 PM, 3 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0004.
- (3) NUMBER OF STRIKE LEVELS LISTED – Fifteen (15) strike levels will be listed for each Intraday USD/CHF Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0001 as reported by the Source Agency. Seven (7) strike levels will be generated above Binary Contract Z at an interval of 0.0004, and seven (7) strike levels will be generated below Binary Contract Z at an interval of 0.0004 (e.g.  $Z - 0.0004$ ;  $Z$ ;  $Z + 0.0004$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) Nadex may list additional USD/CHF Binary Contract with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK - The Minimum Tick size for USD/CHF Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – There are currently no Position Limits for USD/CHF Binary Contract.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date. No trading in the USD/CHF Binary Contracts shall occur after its Last Trading Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date the USD/CHF number is released by the Source Agency.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the USD/CHF number is scheduled to be released.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on Settlement Date. The Settlement Value of an in the money USD/CHF Binary Contract is \$100.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of USD/CHF released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the USD/CHF Binary Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>48</sup>, using the remaining four (4) USD/CHF Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) USD/CHF Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the USD/CHF Binary Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) USD/CHF Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) USD/CHF Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

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<sup>48</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

## RULE 12.36 CURRENCY EXCHANGE USD/JPY VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange USD/JPY (“USD/JPY”) Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the US dollar/ Japanese Yen, herein referred to as “USD/JPY” as quoted in the Japanese Yen per US dollars obtained from the spot USD/JPY foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the USD/JPY Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY VARIABLE USD/JPY CONTRACTS, 3:00 PM ET CLOSE SPREAD - At the commencement of trading in a Daily Spread USD/JPY Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

### (1) DAILY VARIABLE USD/JPY SPREAD CONTRACT

(aa) CAP – The Cap shall be  $X + 2.50$ .

(bb) FLOOR – The Floor shall be  $X - 2.50$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(2) In each case, “X” equals the last USD/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(ii) DAILY VARIABLE USD/JPY SPREAD CONTRACTS, 3:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 2.50$ .

(2) CONTRACT 2: The Cap shall be  $X + 1.25$ ; The Floor shall be  $X - 1.25$ .

(3) CONTRACT 3: The Cap shall be  $X + 2.50$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last USD/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(iii) INTRADAY VARIABLE USD/JPY SPREAD CONTRACTS, 6:00PM to 11:00PM, 11:00PM to 7:00AM, and 7:00AM to 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 1.50$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.75$ ; The Floor shall be  $X - 0.75$ .

(3) CONTRACT 3: The Cap shall be  $X + 1.50$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last USD/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(iv) INTRADAY 2-HOUR VARIABLE USD/JPY SPREAD CONTRACTS, 8:00PM, 9:00PM, 10:00PM, 11:00PM, 12:00AM, 1:00AM, 2:00AM, 3:00AM, 4:00AM, 5:00AM, 6:00AM, 7:00AM, 8:00AM, 9:00AM, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, and 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 1.00$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.50$ ; The Floor shall be  $X - 0.50$ .

(3) CONTRACT 3: The Cap shall be  $X + 1.00$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last USD/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for USD/JPY Variable Payout Contracts shall be 0.01.

(h) POSITION LIMIT – There are currently no Position Limits for USD/JPY Variable Payout Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the USD/JPY Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value shall be the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of USD/JPY released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the USD/JPY Variable Payout Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>49</sup>, using the remaining four (4) USD/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) USD/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the USD/JPY Variable Payout Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) USD/JPY Midpoints to calculate the Expiration

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<sup>49</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

~~Value. The calculation used is a simple average of all four (4) USD/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.~~

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.37 CURRENCY EXCHANGE USD/JPY BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange USD/JPY (“USD/JPY”) Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the US dollar/ Japanese Yen, herein referred to as “USD/JPY” as quoted in the Japanese Yen per US dollar obtained from the spot USD/JPY foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the USD/JPY Binary Contract, the Payout Criteria for the Contracts will be set as follows:

##### (i) WEEKLY USD/JPY BINARY CONTRACTS

(1) EXPIRATION TIME – 3 PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.50.

(3) NUMBER OF STRIKE LEVELS LISTED - Fourteen (14) strike levels will be listed for each Weekly USD/JPY Binary Contract Series.



- (4) **STRIKE LEVELS GENERATED** - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.25 or 0.75 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract W at an interval of 0.50, and seven (7) strike levels will be generated below Binary Contract W at an interval of 0.50 (e.g.  $W - 0.50$ ;  $W$ ;  $W + 0.50$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) **DAILY USD/JPY BINARY CONTRACTS**

- (1) **EXPIRATION TIME** – 3 AM, 7 AM, 11 AM, 3 PM, 7 PM, 11 PM ET CLOSE
- (2) **STRIKE INTERVAL WIDTH** – The interval width between each strike level shall be 0.20.
- (3) **NUMBER OF STRIKE LEVELS LISTED** – Twenty-one (21) strike levels will be listed for each Daily USD/JPY Binary Contract Series.
- (4) **STRIKE LEVELS GENERATED** - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.20 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract X at an interval of 0.20, and ten (10) strike levels will be generated below Binary Contract X at an interval of 0.20 (e.g.  $X - 0.20$ ;  $X$ ;  $X + 0.20$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) **INTRADAY 2-HOUR USD/JPY BINARY CONTRACTS**

- (1) **EXPIRATION TIME** – 8 PM, 9 PM, 10 PM, 11 PM, 12 AM, 1 AM, 2 AM, 3 AM, 4 AM, 5 AM, 6 AM, 7 AM, 8 AM, 9 AM, 10 AM, 11 AM, 12 PM, 1 PM, 2 PM, 3 PM, 4 PM, 5 PM ET CLOSE
- (2) **STRIKE INTERVAL WIDTH** – The interval width between each strike level shall be 0.04.
- (3) **NUMBER OF STRIKE LEVELS LISTED** – Nineteen (19) strike levels will be listed for each Intraday 2-Hour USD/JPY Binary Contract Series.

- (4) **STRIKE LEVELS GENERATED** - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.00, 0.02, 0.04, 0.06, or 0.08 as reported by the Source Agency. Nine (9) strike levels will be generated above Binary Contract Y at an interval of 0.04, and nine (9) strike levels will be generated below Binary Contract Y at an interval of 0.04 (e.g.  $Y - 0.04$ ; Y;  $Y + 0.04$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) **INTRADAY 5-MINUTE USD/JPY BINARY CONTRACTS**

- (1) **EXPIRATION TIME** – 5-Minute Binary Contracts will expire every 5 minutes beginning Sunday at 6:05pm ET and ending Friday at 4:00pm ET.
- (2) **STRIKE INTERVAL WIDTH** – The interval width between each strike level shall be 0.02 for expirations occurring between 6:05pm ET and 8:05am ET and between 12:10pm ET and 5:00pm ET; the interval width shall be 0.04 for expirations occurring between 8:10am ET and 12:05pm ET.
- (3) **NUMBER OF STRIKE LEVELS LISTED** – Five (5) strike levels will be listed for each Intraday 5-Minute USD/JPY Binary Contract Series.
- (4) **STRIKE LEVELS GENERATED** - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0.01, 0.03, 0.05, 0.07, or 0.09 as reported by the Source Agency. For expirations occurring between 6:05pm ET and 8:05am ET and between 12:10pm ET and 5:00pm ET, two (2) strike levels will be generated above Binary Contract Z at an interval of 0.02, and two (2) strike levels will be generated below Binary Contract Z at an interval of 0.02 (e.g.  $Z - 0.02$ ; Z;  $Z + 0.02$ ). The Contract will have a Payout Criterion of greater than the strike level value. For expirations occurring between 8:10am ET and 12:05pm ET, two (2) strike levels will be generated above Binary Contract Z at an interval of 0.04, and two (2) strike levels will be generated below Binary Contract Z at an interval of 0.04 (e.g.  $Z - 0.04$ ; Z;  $Z + 0.04$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(5) Nadex may, in its discretion, temporarily refrain from the listing of any 5-Minute Binary Contract due to the unavailability of the underlying market upon which the Contract is based, or any other condition Nadex determines may be detrimental to the listing of the Contract.

(v) Nadex may list additional USD/JPY Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for USD/JPY Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – There are currently no Position Limits for USD/JPY Binary Contract.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date. No trading in the USD/JPY Binary Contracts shall occur after its Last Trading Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date the USD/JPY number is released by the Source Agency.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the USD/JPY number is scheduled to be released.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on Settlement Date. The Settlement Value of an in the money USD/JPY Binary Contract is \$100.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of USD/JPY released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the USD/JPY Binary Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>50</sup>, using the remaining four (4) USD/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) USD/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10)

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<sup>50</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the USD/JPY Binary Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) USD/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) USD/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.38 CURRENCY EXCHANGE EUR/JPY VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange EUR/JPY (“EUR/JPY”) Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Euro/ Japanese Yen, herein referred to as “EUR/JPY” as quoted in the Japanese Yen per Euro obtained from the spot EUR/JPY foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the EUR/JPY Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY VARIABLE EUR/JPY CONTRACTS, 3:00 PM ET CLOSE  
SPREAD - At the commencement of trading in a Daily Spread EUR/JPY Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

#### (1) DAILY VARIABLE EUR/JPY SPREAD CONTRACT

(aa) CAP – The Cap shall be  $X + 2.50$ .

(bb) FLOOR – The Floor shall be  $X - 2.50$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(2) In each case, “X” equals the last EUR/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(ii) DAILY VARIABLE EUR/JPY SPREAD CONTRACTS, 3:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 2.50$ .

(2) CONTRACT 2: The Cap shall be  $X + 1.25$ ; The Floor shall be  $X - 1.25$ .

(3) CONTRACT 3: The Cap shall be  $X + 2.50$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last EUR/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(iii) INTRADAY VARIABLE EUR/JPY SPREAD CONTRACTS, 6:00PM to 11:00PM, 11:00PM to 7:00AM, and 7:00AM to 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 2.00$ .

(2) CONTRACT 2: The Cap shall be  $X + 1.00$ ; The Floor shall be  $X - 1.00$ .

(3) CONTRACT 3: The Cap shall be  $X + 2.00$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last EUR/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(iv) INTRADAY 2-HOUR VARIABLE EUR/JPY SPREAD CONTRACTS, 8:00PM, 9:00PM, 10:00PM, 11:00PM, 12:00AM, 1:00AM, 2:00AM, 3:00AM, 4:00AM, 5:00AM, 6:00AM, 7:00AM, 8:00AM, 9:00AM, 10:00AM, 11:00AM, 12:00PM, 1:00PM,

2:00PM, and 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be X- 1.00.

(2) CONTRACT 2: The Cap shall be X + 0.50; The Floor shall be X – 0.50.

(3) CONTRACT 3: The Cap shall be X + 1.00; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last EUR/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for EUR/JPY Variable Payout Contracts shall be 0.01.

(h) POSITION LIMIT – There are currently no Position Limits for EUR/JPY Variable Payout Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the EUR/JPY Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value shall be the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of EUR/JPY released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the EUR/JPY Variable

Payout Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>51</sup>, using the remaining four (4) EUR/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) EUR/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the EUR/JPY Variable Payout Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) EUR/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) EUR/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.39 CURRENCY EXCHANGE EUR/JPY BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange EUR/JPY (“EUR/JPY”) Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Euro/ Japanese Yen, herein referred to as “EUR/JPY” as quoted in the Japanese Yen per Euro obtained from the spot EUR/JPY foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

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<sup>51</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the EUR/JPY Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY EUR/JPY BINARY CONTRACTS

- (1) EXPIRATION TIME – 3 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.50.
- (3) NUMBER OF STRIKE LEVELS LISTED - Fourteen (14) strike levels will be listed for each Weekly EUR/JPY Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.25 or 0.75 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract X at an interval of 0.50, and seven (7) strike levels will be generated below Binary Contract X at an interval of 0.50 (e.g.  $X - 0.50$ ;  $X$ ;  $X + 0.50$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY EUR/JPY BINARY CONTRACTS

- (1) EXPIRATION TIME – 3 AM, 7 AM, 11 AM, 3 PM, 7 PM, 11 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.20.
- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily EUR/JPY Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance



of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.20 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract Y at an interval of 0.20, and ten (10) strike levels will be generated below Binary Contract Y at an interval of 0.20 (e.g.  $Y - 0.20$ ;  $Y$ ;  $Y + 0.20$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY EUR/JPY BINARY CONTRACTS

- (1) EXPIRATION TIME – 8 PM, 9 PM, 10 PM, 11 PM, 12 AM, 1 AM, 2 AM, 3 AM, 4 AM, 5 AM, 6 AM, 7 AM, 8 AM, 9 AM, 10 AM, 11 AM, 12 PM, 1 PM, 2 PM, 3 PM, 4 PM, 5 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.10.
- (3) NUMBER OF STRIKE LEVELS LISTED – Nine (9) strike levels will be listed for each Intraday EUR/JPY Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.01 as reported by the Source Agency. Four (4) strike levels will be generated above Binary Contract Z at an interval of 0.10, and four (4) strike levels will be generated below Binary Contract Z at an interval of 0.10 (e.g.  $Z - 0.10$ ;  $Z$ ;  $Z + 0.10$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) Nadex may list additional EUR/JPY Binary Contract with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for EUR/JPY Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – There are currently no Position Limits for EUR/JPY Binary Contract.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date. No trading in the EUR/JPY Binary Contracts shall occur after its Last Trading Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date the EUR/JPY number is released by the Source Agency.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the EUR/JPY number is scheduled to be released.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on Settlement Date. The Settlement Value of an in the money EUR/JPY Binary Contract is \$100.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of EUR/JPY released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the EUR/JPY Binary Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>52</sup>, using the remaining four (4) EUR/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) EUR/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the EUR/JPY Binary Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) EUR/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) EUR/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.40 CURRENCY EXCHANGE GBP/JPY VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange GBP/JPY (“GBP/JPY”) Variable Payout Contracts issued by Nadex.

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<sup>52</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

(b) UNDERLYING – The Underlying for this Class of Contracts is the British Pound/ Japanese Yen, herein referred to as “GBP/JPY” as quoted in the Japanese Yen per British Pounds obtained from the spot GBP/JPY foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the GBP/JPY Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY VARIABLE GBP/JPY CONTRACTS, 3:00 PM ET CLOSE SPREAD - At the commencement of trading in a Daily Spread GBP/JPY Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY VARIABLE GBP/JPY SPREAD CONTRACT

(aa) CAP – The Cap shall be  $X + 2.50$ .

(bb) FLOOR – The Floor shall be  $X - 2.50$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(2) In each case, “X” equals the last GBP/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(ii) DAILY VARIABLE GBP/JPY SPREAD CONTRACTS, 3:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 2.50$ .

(2) CONTRACT 2: The Cap shall be  $X + 1.25$ ; The Floor shall be  $X - 1.25$ .

(3) CONTRACT 3: The Cap shall be  $X + 2.50$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last GBP/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(iii) INTRADAY VARIABLE GBP/JPY SPREAD CONTRACTS, 6:00PM to 11:00PM, 11:00PM to 7:00AM, and 7:00AM to 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X; The Floor shall be X- 2.50.
- (2) CONTRACT 2: The Cap shall be X + 1.25; The Floor shall be X – 1.25.
- (3) CONTRACT 3: The Cap shall be X + 2.50; The Floor shall be X.
- (4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last GBP/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(iv) INTRADAY 2-HOUR VARIABLE GBP/JPY SPREAD CONTRACTS, 8:00PM, 9:00PM, 10:00PM, 11:00PM, 12:00AM, 1:00AM, 2:00AM, 3:00AM, 4:00AM, 5:00AM, 6:00AM, 7:00AM, 8:00AM, 9:00AM, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, and 3:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X; The Floor shall be X- 1.00.
- (2) CONTRACT 2: The Cap shall be X + 0.50; The Floor shall be X – 0.50.
- (3) CONTRACT 3: The Cap shall be X + 1.00; The Floor shall be X.
- (4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last GBP/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for GBP/JPY Variable Payout Contracts shall be 0.01.

(h) POSITION LIMIT – There are currently no Position Limits for GBP/JPY Variable Payout Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the GBP/JPY Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value shall be the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of GBP/JPY released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the GBP/JPY Variable Payout Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>53</sup>, using the remaining four (4) GBP/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) GBP/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the GBP/JPY Variable Payout Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) GBP/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) GBP/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price

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<sup>53</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

~~and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.~~

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.41 CURRENCY EXCHANGE GBP/JPY BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange GBP/JPY (“GBP/JPY”) Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the British Pound/ Japanese Yen, herein referred to as “GBP/JPY” as quoted in the Japanese Yen per British Pounds obtained from the spot GBP/JPY foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the GBP/JPY Binary Contract, the Payout Criteria for the Contracts will be set as follows:

##### (i) WEEKLY GBP/JPY BINARY CONTRACTS

(1) EXPIRATION TIME – 3 PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.50.

(3) NUMBER OF STRIKE LEVELS LISTED - Fourteen (14) strike levels will be listed for each Weekly GBP/JPY Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.25 or 0.75 as reported by the Source Agency. Six (6) strike

111

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levels will be generated above Binary Contract X at an interval of 0.50, and seven (7) strike levels will be generated below Binary Contract X at an interval of 0.50 (e.g.  $X - 0.50$ ;  $X$ ;  $X + 0.50$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY GBP/JPY BINARY CONTRACTS

- (1) EXPIRATION TIME – 3 AM, 7 AM, 11 AM, 3 PM, 7 PM, 11 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.20.
- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily GBP/JPY Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.20 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract Y at an interval of 0.20, and ten (10) strike levels will be generated below Binary Contract Y at an interval of 0.20 (e.g.  $Y - 0.20$ ;  $Y$ ;  $Y + 0.20$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY GBP/JPY BINARY CONTRACTS

- (1) EXPIRATION TIME – 10 AM, 11 AM, 12 PM, 1 PM, 2 PM, 3 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.10.
- (3) NUMBER OF STRIKE LEVELS LISTED – Nine (9) strike levels will be listed for each Intraday GBP/JPY Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.01 as reported by the Source Agency. Four (4) strike levels

will be generated above Binary Contract Z at an interval of 0.10, and four (4) strike levels will be generated below Binary Contract Z at an interval of 0.10 (e.g.  $Z - 0.10$ ;  $Z$ ;  $Z + 0.10$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) Nadex may list additional GBP/JPY Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for GBP/JPY Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – There are currently no Position Limits for GBP/JPY Binary Contract.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date. No trading in the GBP/JPY Binary Contracts shall occur after its Last Trading Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date the GBP/JPY number is released by the Source Agency.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the GBP/JPY number is scheduled to be released.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on Settlement Date. The Settlement Value of an in the money GBP/JPY Binary Contract is \$100.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of GBP/JPY released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the GBP/JPY Binary Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>54</sup>, using the remaining four (4) GBP/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) GBP/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10)

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<sup>54</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.



Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the GBP/JPY Binary Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) GBP/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) GBP/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.42 CURRENCY EXCHANGE EUR/GBP VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange EUR/GBP (“EUR/GBP”) Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Euro/British Pound, herein referred to as “EUR/GBP” as quoted in the British Pounds per Euro obtained from the spot EUR/GBP foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the EUR/GBP Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY VARIABLE EUR/GBP CONTRACTS, 3:00 PM ET CLOSE  
SPREAD - At the commencement of trading in a Daily Spread EUR/GBP Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

#### (1) DAILY VARIABLE EUR/GBP SPREAD CONTRACT

(aa) CAP – The Cap shall be  $X + 0.0250$ .

(bb) FLOOR – The Floor shall be  $X - 0.0250$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(2) In each case, “X” equals the last EUR/GBP price, as reported by the Source Agency, rounded to the nearest 0.0010.

(ii) DAILY VARIABLE EUR/GBP SPREAD CONTRACTS, 3:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be  $X - 0.0250$ .

(2) CONTRACT 2: The Cap shall be  $X + 0.0125$ ; The Floor shall be  $X - 0.0125$ .

(3) CONTRACT 3: The Cap shall be  $X + 0.0250$ ; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10,000.

(5) In each case, “X” equals the last EUR/GBP price, as reported by the Source Agency, rounded to the nearest 0.0010.

(iii) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for EUR/GBP Variable Payout Contracts shall be 0.0001.

(h) POSITION LIMIT – There are currently no Position Limits for EUR/GBP Variable Payout Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the EUR/GBP Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value shall be the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of EUR/GBP released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the EUR/GBP Variable Payout Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>55</sup>, using the remaining four (4) EUR/GBP Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) EUR/GBP Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the EUR/GBP Variable Payout Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) EUR/GBP Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) EUR/GBP Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.43 CURRENCY EXCHANGE EUR/GBP BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange EUR/GBP (“EUR/GBP”) Binary Contract issued by Nadex.

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<sup>55</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Euro/British Pound herein referred to as “EUR/GBP” as quoted in British Pounds per Euro obtained from the spot EUR/GBP foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the EUR/GBP Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY EUR/GBP BINARY CONTRACTS

(1) EXPIRATION TIME – 3 PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0050.

(3) NUMBER OF STRIKE LEVELS LISTED - Fourteen (14) strike levels will be listed for each Weekly EUR/GBP Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0025 or 0.0075 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract X at an interval of 0.0050, and seven (7) strike levels will be generated below Binary Contract X at an interval of 0.0050 (e.g.  $X - 0.0050$ ;  $X$ ;  $X + 0.0050$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY EUR/GBP BINARY CONTRACTS

(1) EXPIRATION TIME – 3 AM, 7 AM, 11 AM, 3 PM, 7 PM, 11 PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level

shall be 0.0020.

- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily EUR/GBP Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0020 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract Y at an interval of 0.0020, and ten (10) strike levels will be generated below Binary Contract Y at an interval of 0.0020 (e.g.  $Y - 0.0020$ ;  $Y$ ;  $Y + 0.0020$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY EUR/GBP BINARY CONTRACTS

- (1) EXPIRATION TIME – 10 AM, 11 AM, 12 PM, 1 PM, 2 PM, 3 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.0010.
- (3) NUMBER OF STRIKE LEVELS LISTED – Nine (9) strike levels will be listed for each Intraday EUR/GBP Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.0001 as reported by the Source Agency. Four (4) strike levels will be generated above Binary Contract Z at an interval of 0.0010, and four (4) strike levels will be generated below Binary Contract Z at an interval of 0.0010 (e.g.  $Z - 0.0010$ ;  $Z$ ;  $Z + 0.0010$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) Nadex may list additional EUR/GBP Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for EUR/GBP Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – There are currently no Position Limits for EUR/GBP Binary Contract.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same as the Expiration Date. No trading in the EUR/GBP Binary Contracts shall occur after its Last Trading Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date on which the EUR/GBP number as reported by the Source Agency.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the EUR/GBP number is scheduled to be released.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on the Settlement Date. The Settlement Value of an in the money EUR/GBP Binary Contract is \$100.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of EUR/GBP released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the EUR/GBP Binary Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>56</sup>, using the remaining four (4) EUR/GBP Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) EUR/GBP Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the EUR/GBP Binary Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) EUR/GBP Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) EUR/GBP Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

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<sup>56</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.44 CURRENCY EXCHANGE AUD/JPY VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange AUD/JPY (“AUD/JPY”) Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Australian Dollar/Japanese Yen, herein referred to as “AUD/JPY” as quoted in the Japanese Yen per Australian Dollar obtained from the spot AUD/JPY foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the AUD/JPY Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows;

(i) DAILY VARIABLE AUD/JPY CONTRACTS, 3:00 PM ET CLOSE SPREAD - At the commencement of trading in a Daily Spread AUD/JPY Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

##### (1) DAILY VARIABLE AUD/JPY SPREAD CONTRACT

(aa) CAP – The Cap shall be  $X + 2.50$ .

(bb) FLOOR – The Floor shall be  $X - 2.50$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(2) In each case, “X” equals the last AUD/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(ii) DAILY VARIABLE AUD/JPY SPREAD CONTRACTS, 3:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be X – 2.50.

(2) CONTRACT 2: The Cap shall be X + 1.25; The Floor shall be X – 1.25.

(3) CONTRACT 3: The Cap shall be X + 2.50; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 100.

(5) In each case, “X” equals the last AUD/JPY price, as reported by the Source Agency, rounded to the nearest 0.10.

(iii) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for AUD/JPY Variable Payout Contracts shall be 0.01.

(h) POSITION LIMIT – There are currently no Position Limits for AUD/JPY Variable Payout Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the AUD/JPY Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value shall be the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of AUD/JPY released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the AUD/JPY Variable Payout Contract, provided at least ten (10) Midpoints are captured during the ten (10) second



~~period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>57</sup>, using the remaining four (4) AUD/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) AUD/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the AUD/JPY Variable Payout Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) AUD/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) AUD/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.~~

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.45 CURRENCY EXCHANGE AUD/JPY BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Currency Exchange AUD/JPY (“AUD/JPY”) Binary Contract issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the Australian dollar/ Japanese Yen, herein referred to as “AUD/JPY” as quoted in the Japanese Yen per Australian dollar obtained from the spot AUD/JPY foreign currency market.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

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<sup>57</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the AUD/JPY Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY AUD/JPY BINARY CONTRACTS

- (1) EXPIRATION TIME – 3 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.50.
- (3) NUMBER OF STRIKE LEVELS LISTED - Fourteen (14) strike levels will be listed for each Weekly AUD/JPY Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.25 or 0.75 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract X at an interval of 0.50, and seven (7) strike levels will be generated below Binary Contract X at an interval of 0.50 (e.g. X – 0.50; X; X + 0.50). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY AUD/JPY BINARY CONTRACTS

- (1) EXPIRATION TIME – 3 AM, 7 AM, 11 AM, 3 PM, 7 PM, 11 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.20.
- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily AUD/JPY Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.20 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract Y at an interval of 0.20, and ten (10) strike levels will be generated below Binary Contract Y at an interval of 0.20

(e.g.  $Y - 0.20$ ;  $Y$ ;  $Y + 0.20$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY AUD/JPY BINARY CONTRACTS

- (1) EXPIRATION TIME – 10 AM, 11 AM, 12 PM, 1 PM, 2 PM, 3 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.05.
- (3) NUMBER OF STRIKE LEVELS LISTED – Nine (9) strike levels will be listed for each Intraday AUD/JPY Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 0.01 as reported by the Source Agency. Four (4) strike levels will be generated above Binary Contract Z at an interval of 0.05, and four (4) strike levels will be generated below Binary Contract Z at an interval of 0.05 (e.g.  $Z - 0.05$ ;  $Z$ ;  $Z + 0.05$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) Nadex may list additional AUD/JPY Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for AUD/JPY Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – There are currently no Position Limits for AUD/JPY Binary Contract.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date. No trading in the AUD/JPY Binary Contracts shall occur after its Last Trading Date.

(j) SETTLEMENT DATE – The Settlement Date will be the date the AUD/JPY number is released by the Source Agency.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the AUD/JPY number is scheduled to be released.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in the money Contract on Settlement Date. The Settlement Value of an in the money AUD/JPY Binary Contract is \$100.

(m) EXPIRATION VALUE - The Expiration Value is the price or value of AUD/JPY released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) occurring in the ten (10) seconds leading up just prior to the close of trading of the AUD/JPY Binary Contract, provided at least ten (10) Midpoints are captured during the ten (10) second period, and removing the highest thirty (30) percent of three (3) Midpoints and the lowest thirty (30) percent of three (3) Midpoints from the data set<sup>58</sup>, using the remaining four (4) AUD/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of the remaining all four (4) AUD/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least ten (10) Midpoints (ten pips wide or less) exceeds the ten (10) second time period, the Expiration Value is calculated by the Source Agency by taking the last ten (10) Midpoints between the bid/ask spread (ten pips wide or less) just prior to the close of trading of the AUD/JPY Binary Contract and removing the highest three (3) Midpoints and the lowest three (3) Midpoints, using the remaining four (4) AUD/JPY Midpoints to calculate the Expiration Value. The calculation used is a simple average of all four (4) AUD/JPY Midpoints, rounded to one decimal point past the precision of the underlying market. A Midpoint is calculated by adding the bid price and the ask price together and then dividing that number by two (2). For example, if the bid price is 1.3400 and the ask price is 1.3402, the two numbers are added together (totaling 2.6802) and then divided by two (2), equaling a Midpoint of 1.3401. If the spread between a particular bid price and ask price is deemed too wide (greater than ten (10) pips), those prices will not be used to calculate a Midpoint and will thus not be included within the 10 initially captured values.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

RULE 12.46 – 12.47 [UNCHANGED]

RULE 12.48 FTSE 100<sup>®</sup> FUTURE VARIABLE PAYOUT CONTRACTS

(a) SCOPE –These Rules shall apply to the Class of Contracts referred to as the FTSE 100 Future Variable Payout Contracts issued by Nadex.

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<sup>58</sup> If 30% of the data set would result in a non-integer number of Midpoints, the number of Midpoints to be removed from the set will be rounded down. For example, if the number of Midpoints collected during the last 10 seconds prior to the close of trading was 14, 30% of the data set would be 4.2 Midpoints. As 4.2 is a non-integer number, the value will be rounded down, and the 4 highest and 4 lowest Midpoints will be removed from the data set.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price (in British Pounds) of the FTSE 100 Futures contracts (“FFC”) traded on the Liffe<sup>®</sup> exchange (Liffe).<sup>59</sup> The FFC trade prices that will be used for the Underlying will be taken from four (4) FFC delivery months: March, June, September, or December (each a “FFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Monday of the week of the Underlying futures contracts Expiration Date. For example, the Liffe FTSE 100 March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the FTSE100 March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant FTSE 100 contracts will be the Monday of the week of the Liffe FTSE 100 March 2012 futures contracts Expiration Date (i.e. March 16, 2012). Therefore, the End Date for using Liffe FTSE 100 March 2012 futures will be March 12, 2012 and the Start Date for the next delivery month, Liffe FTSE 100 June 2012 futures, will be March 13, 2012<sup>60</sup>.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

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<sup>60</sup> Weekly contracts listed on a Monday during a week containing an Underlying futures rollover date will be listed using the Underlying futures month scheduled to be used to determine the settlement value on the day the contract expires. For example, the End Date for the Liffe FTSE 100<sup>®</sup> March 2012 Underlying futures is March 12, 2012. March 12, 2012 is a Monday, however, and any Nadex weekly contracts listed on this date and expiring on Friday, March 16, 2012, will be listed using the Liffe FTSE 100<sup>®</sup> June 2012 futures as its Underlying, as June is the futures month scheduled to be used to determine the Settlement Value of the Nadex weekly contract on its expiration date. Therefore, the Start Date for the Liffe FTSE 100<sup>®</sup> June 2012 futures will be Monday, March 12, 2012 for any Nadex weekly contracts listed on this date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the FTSE 100 Future Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows:

(i) DAILY FTSE 100<sup>®</sup> VARIABLE PAYOUT SPREAD FUTURE CONTRACTS, 4:00 PM ET CLOSE - At the commencement of trading in a Daily Spread FTSE 100 Future Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY FTSE 100<sup>®</sup> VARIABLE PAYOUT ‘SPREAD’ CONTRACT

(aa) CAP – The Cap shall be  $X + 200$ .

(bb) FLOOR – The Floor shall be  $X - 200$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(2) In each case, “X” equals the last FTSE 100 Future price, as reported by the Source Agency, rounded to the nearest 100.

(ii) DAILY FTSE 100<sup>®</sup> FUTURE VARIABLE PAYOUT SPREAD CONTRACTS, 4:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 200$ .

(2) CONTRACT 2: The Cap shall be  $X + 100$ ; The Floor shall be  $X - 100$ .

(3) CONTRACT 3: The Cap shall be  $X + 200$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(5) In each case, “X” equals the last FTSE 100 Future price, as reported by the Source Agency, rounded to the nearest 100.

(iii) INTRADAY FTSE 100<sup>®</sup> FUTURE VARIABLE PAYOUT SPREAD CONTRACTS, 8AM ET to 4:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 150$ .

(2) CONTRACT 2: The Cap shall be  $X + 75$ ; The Floor shall be  $X - 75$ .

(3) CONTRACT 3: The Cap shall be  $X + 150$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(5) In each case, “X” equals the last FTSE 100 Future price, as reported by the Source Agency, rounded to the nearest 25.

(iv) INTRADAY 2-HOUR FTSE 100<sup>®</sup> FUTURE VARIABLE PAYOUT SPREAD CONTRACTS, 10:00AM, 11:00AM, 12:00PM, 1:00PM, and 4:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 50$ .

(2) CONTRACT 2: The Cap shall be  $X + 25$ ; The Floor shall be  $X - 25$ .

(3) CONTRACT 3: The Cap shall be  $X + 50$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(5) In each case, “X” equals the last FTSE 100 Future price, as reported by the Source Agency, rounded to the nearest 25.

(6) The Intraday 2-Hour FTSE<sup>®</sup> 100 Futures Variable Payout Spread Contracts, 10:00AM, 11:00AM, 12:00PM, 1:00PM and 4:00PM ET Close, will not be listed on the three business days immediately following the End Date of the Underlying.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for FTSE 100 Future Variable Payout Contracts shall be 1.

(h) POSITION LIMIT – The Position Limits for FTSE 100 Future Variable Payout Contracts shall be 62,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the FTSE 100 Future Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of FTSE 100 Future released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) FFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the FTSE 100 Future Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of FFC trade prices and the lowest twenty (20) percent of five (5) FFC trade prices from the data set<sup>61</sup>, and using the remaining fifteen (15) FFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) FFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) FFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the FTSE 100 Future Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) FFC trade prices just prior to the close of trading of the FTSE 100 Future Variable Contract removing the highest five (5) FFC trade prices and the lowest five (5) FFC trade prices, and using the remaining fifteen (15) FFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) FFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.49 FTSE 100<sup>®</sup> FUTURE BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the FTSE 100 Future Binary Contract issued by Nadex.

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<sup>61</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.



(b) UNDERLYING – The Underlying for this Class of Binary Contracts is the price (in British Pounds) of the FTSE 100 Futures contracts (“FFC”) traded on the Liffe<sup>®</sup> exchange (Liffe).<sup>62</sup> The FFC trade prices that will be used for the Underlying will be taken from four (4) FFC delivery months: March, June, September, or December (each a “FFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Monday of the week of the Underlying futures contracts Expiration Date. For example, the Liffe FTSE 100 March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the FTSE100 March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant FTSE 100 contracts will be the Monday of the week of the Liffe FTSE 100 March 2012 futures contracts Expiration Date (i.e. March 16, 2012). Therefore, the End Date for using Liffe FTSE 100 March 2012 futures will be March 12, 2012 and the Start Date for the next delivery month, Liffe FTSE 100 June 2012 futures, will be March 13, 2012<sup>63</sup>.

(c) SOURCE AGENCY – The Source Agency is the Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

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<sup>63</sup> Weekly contracts listed on a Monday during a week containing an Underlying futures rollover date will be listed using the Underlying futures month scheduled to be used to determine the settlement value on the day the contract expires. For example, the End Date for the Liffe FTSE 100<sup>®</sup> March 2012 Underlying futures is March 12, 2012. March 12, 2012 is a Monday, however, and any Nadex weekly contracts listed on this date and expiring on Friday, March 16, 2012, will be listed using the Liffe FTSE 100<sup>®</sup> June 2012 futures as its Underlying, as June is the futures month scheduled to be used to determine the Settlement Value of the Nadex weekly contract on its expiration date. Therefore, the Start Date for the Liffe FTSE 100 June 2012 futures will be Monday, March 12, 2012 for any Nadex weekly contracts listed on this date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the FTSE 100 Future Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY FTSE 100 FUTURE BINARY CONTRACTS

- (1) EXPIRATION TIME – 4:00 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 50.
- (3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for each Weekly FTSE 100 Future Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 25 or 75 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract X at an interval of 50, and six (6) strike levels will be generated below Binary Contract X at an interval of 50 (e.g.  $X - 50$ ;  $X$ ;  $X + 50$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY FTSE 100 FUTURE BINARY CONTRACTS

- (1) EXPIRATION TIME – 4:00 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 20.
- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily FTSE 100 Future Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 20 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract Y at an interval of 20, and ten (10) strike levels will be generated below Binary Contract Y at an interval of 20 (e.g.  $Y - 20$ ;  $Y$ ;  $Y + 20$ ). The Contract will have a Payout Criterion of greater

131

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than the strike level value.

(iii) INTRADAY FTSE 100 FUTURE BINARY CONTRACTS

- (1) EXPIRATION TIME – 5 AM, 6 AM, 7 AM, 8 AM, 9AM, 10 AM, 11 AM, 12 PM, 1 PM ET CLOSE
- (2) EXCEPTIONS – No Intraday FTSE 100 Future Binary Contract will be listed on the three business days immediately following the End Date of the Underlying.
- (3) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 15.
- (4) NUMBER OF STRIKE LEVELS LISTED – Nine (9) strike levels will be listed for each Intraday FTSE 100 Future Binary Contract Series.
- (5) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 1 as reported by the Source Agency. Four (4) strike levels will be generated above Binary Contract Z at an interval of 15, and four (4) strike levels will be generated below Binary Contract Z at an interval of 15 (e.g.  $Z - 15$ ;  $Z$ ;  $Z + 15$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) Nadex may list additional FTSE 100 Future Binary Contract with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for the FTSE 100 Future Binary Contract shall be \$0.25.

(h) POSITION LIMIT – The Position Limits for the FTSE 100 Future Binary Contracts shall be 2,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date in a Series is the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date for which the relevant FFC daily settlement price is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in-the-money Contract on the Settlement Date. The Settlement Value of an in-the-money FTSE 100 Future Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of FTSE 100 Future released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty five (25) FFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the FTSE 100 Future Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of FFC trade prices and the lowest twenty (20) percent of five (5) FFC trade prices from the data set<sup>64</sup>, and using the remaining fifteen (15) FFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) FFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) FFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the FTSE 100 Future Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) FFC trade prices just prior to the close of trading of the FTSE 100 Future Binary Contract removing the highest five (5) FFC trade prices and the lowest five (5) FFC trade prices, and using the remaining fifteen (15) FFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) FFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no daily settlement price of the relevant FFC is announced by the Source Agency, the Settlement Date will be delayed until such daily settlement price for that Series is released and publicly available.

## RULE 12.50 GERMANY 30 VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Germany 30 Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price (in Euro Currency) of the DAX<sup>®</sup> Futures contracts (“DFC”) traded on the Eurex<sup>®</sup> exchange (Eurex).<sup>65</sup> The

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<sup>64</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

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DFC trade prices that will be used for the Underlying will be taken from four (4) DFC delivery months: March, June, September, or December (each a “DFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Monday of the week of the Underlying futures contracts Expiration Date. For example, the Eurex DAX March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the DAX March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant DAX contracts will be the Monday of the week of the Eurex DAX March 2012 futures contracts Expiration Date (i.e. March 16, 2012). Therefore, the End Date for using Eurex DAX March 2012 futures will be March 12, 2012 and the Start Date for the next delivery month, Eurex DAX June 2012 futures, will be March 13, 2012<sup>66</sup>.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the Germany 30 Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows:

(i) DAILY GERMANY 30 VARIABLE PAYOUT SPREAD CONTRACTS, 4:00 PM ET CLOSE - At the commencement of trading in a Daily Spread Germany 30 Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

#### (1) DAILY GERMANY 30 VARIABLE PAYOUT ‘SPREAD’ CONTRACT

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Nadex Germany 30 Variable Payout Contracts are not sponsored, endorsed, sold or promoted by Eurex or Deutsche Börse AG.

<sup>66</sup> Weekly contracts listed on a Monday during a week containing an Underlying futures rollover date will be listed using the Underlying futures month scheduled to be used to determine the settlement value on the day the contract expires. For example, the End Date for the Eurex DAX March 2012 Underlying futures is March 12, 2012. March 12, 2012 is a Monday, however, and any Nadex weekly contracts listed on this date and expiring on Friday, March 16, 2012, will be listed using the Eurex DAX June 2012 futures as its Underlying, as June is the futures month scheduled to be used to determine the Settlement Value of the Nadex weekly contract on its expiration date. Therefore, the Start Date for the Eurex DAX June 2012 futures will be Monday, March 12, 2012 for any Nadex weekly contracts listed on this date.

(aa) CAP – The Cap shall be  $X + 200$ .

(bb) FLOOR – The Floor shall be  $X - 200$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(2) In each case, “X” equals the last DFC trade price, as reported by the Source Agency, rounded to the nearest 100.

(ii) DAILY GERMANY 30 VARIABLE PAYOUT SPREAD CONTRACTS, 4:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 200$ .

(2) CONTRACT 2: The Cap shall be  $X + 100$ ; The Floor shall be  $X - 100$ .

(3) CONTRACT 3: The Cap shall be  $X + 200$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(5) In each case, “X” equals the last DFC price, as reported by the Source Agency, rounded to the nearest 100.

(iii) INTRADAY GERMANY 30 VARIABLE PAYOUT SPREAD CONTRACTS, 8AM ET to 4:00 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 150$ .

(2) CONTRACT 2: The Cap shall be  $X + 75$ ; The Floor shall be  $X - 75$ .

(3) CONTRACT 3: The Cap shall be  $X + 150$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(5) In each case, “X” equals the last DFC price, as reported by the Source Agency, rounded to the nearest 25.

(iv) INTRADAY 2-HOUR GERMANY 30 VARIABLE PAYOUT SPREAD CONTRACTS, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, 3:00PM and 4:00PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be X; The Floor shall be X – 50.

(2) CONTRACT 2: The Cap shall be X + 25; The Floor shall be X – 25.

(3) CONTRACT 3: The Cap shall be X + 50; The Floor shall be X.

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(5) In each case, “X” equals the last DFC price, as reported by the Source Agency, rounded to the nearest 25.

(6) The Intraday 2-Hour Germany 30 Variable Payout Spread Contracts, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, 3:00PM and 4:00PM ET Close, will not be listed on the three business days immediately following the End Date of the Underlying.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Germany 30 Variable Payout Contracts shall be 1.

(h) POSITION LIMIT – The Position Limits for Germany 30 Variable Payout Contracts shall be 62,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the Germany 30 Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Germany 30 released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) DFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Germany 30 Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the

highest ~~five (5)~~ twenty (20) percent of DFC trade prices and the lowest twenty (20) percent of ~~five (5)~~ DFC trade prices from the data set<sup>67</sup>, and using the remaining ~~fifteen (15)~~ DFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) DFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) DFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Germany 30 Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) DFC trade prices just prior to the close of trading of the Germany 30 Variable Contract removing the highest five (5) DFC trade prices and the lowest five (5) DFC trade prices, and using the remaining fifteen (15) DFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) DFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source Agency, the Settlement Date will be delayed until the Underlying number is released for that Series.

#### RULE 12.51 GERMANY 30 BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Germany 30 Binary Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Binary Contracts is the price (in Euro Currency) of the DAX<sup>®</sup> Futures contracts (“DFC”) traded on the Eurex<sup>®</sup> exchange (Eurex).<sup>68</sup> The DFC trade prices that will be used for the Underlying will be taken from four (4) DFC delivery months: March, June, September, or December (each a “DFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Monday of the week of the Underlying futures contracts Expiration Date. For example, the Eurex DAX March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the DAX March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant DAX contracts will be the Monday of the week of the Eurex DAX March 2012 futures contracts Expiration Date (i.e. March 16, 2012). Therefore, the End Date

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<sup>67</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

<sup>68</sup> Eurex<sup>®</sup> and DAX<sup>®</sup> are registered marks of Deutsche Börse AG. Nadex is not affiliated with the Eurex or Deutsche Börse AG, and neither Eurex nor its affiliates sponsor or endorse Nadex or its products in any way. In particular, the Nadex Germany 30 Binary Option Contracts are not sponsored, endorsed, sold or promoted by Eurex or Deutsche Börse AG.



for using Eurex DAX March 2012 futures will be March 12, 2012 and the Start Date for the next delivery month, Eurex DAX June 2012 futures, will be March 13, 2012<sup>69</sup>.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the Germany 30 Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY GERMANY 30 BINARY CONTRACTS

(1) EXPIRATION TIME – 4:00 PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 50.

(3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for each Weekly Germany 30 Future Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 25 or 75 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract X at an interval of 50, and six (6) strike levels will be generated below Binary Contract X at an interval of 50 (e.g. X – 50; X; X + 50). The Contract will have a Payout Criterion of greater than the strike level value.

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<sup>69</sup> Weekly contracts listed on a Monday during a week containing an Underlying futures rollover date will be listed using the Underlying futures month scheduled to be used to determine the settlement value on the day the contract expires. For example, the End Date for the Eurex DAX March 2012 Underlying futures is March 12, 2012. March 12, 2012 is a Monday, however, and any Nadex weekly contracts listed on this date and expiring on Friday, March 16, 2012, will be listed using the Eurex DAX June 2012 futures as its Underlying, as June is the futures month scheduled to be used to determine the Settlement Value of the Nadex weekly contract on its expiration date. Therefore, the Start Date for the Eurex DAX June 2012 futures will be Monday, March 12, 2012 for any Nadex weekly contracts listed on this date.

(ii) DAILY GERMANY 30 BINARY CONTRACTS

- (1) EXPIRATION TIME – 4:00 PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 20.
- (3) NUMBER OF STRIKE LEVELS LISTED – Twenty-one (21) strike levels will be listed for each Daily Germany 30 Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 20 as reported by the Source Agency. Ten (10) strike levels will be generated above Binary Contract Y at an interval of 20, and ten (10) strike levels will be generated below Binary Contract Y at an interval of 20 (e.g.  $Y - 20$ ;  $Y$ ;  $Y + 20$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY GERMANY 30 BINARY CONTRACTS

- (1) EXPIRATION TIME – 5 AM, 6 AM, 7 AM, 8 AM, 9AM, 10 AM, 11 AM, 12 PM, 1 PM, 2 PM, 3 PM ET CLOSE
- (2) EXCEPTIONS – No Intraday Germany 30 Binary Contract will be listed on the three business days immediately following the End Date of the Underlying.
- (3) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 20.
- (4) NUMBER OF STRIKE LEVELS LISTED – Nine (9) strike levels will be listed for each Intraday Germany Binary Contract Series.
- (5) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 1 as reported by the Source Agency. Four (4) strike levels will be generated above Binary Contract Z at an interval of 20, and four (4) strike levels will be generated below Binary Contract Z at an interval of 20 (e.g.  $Z - 20$ ;  $Z$ ;  $Z + 20$ ). The Contract will have a Payout Criterion of greater

139

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than the strike level value.

(iv) Nadex may list additional Germany 30 Binary Contract with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for the Germany 30 Binary Contract shall be \$0.25.

(h) POSITION LIMIT – The Position Limits for the Germany 30 Binary Contracts shall be 2,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date in a Series is the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date for which the relevant DFC daily settlement price is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in-the-money Contract on the Settlement Date. The Settlement Value of an in-the-money Germany 30 Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Germany 30 released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) DFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Germany 30 Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of DFC trade prices and the lowest twenty (20) percent of five (5) DFC trade prices from the data set<sup>70</sup>, and using the remaining fifteen (15) DFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) DFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) DFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Germany 30 Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) DFC trade prices just

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<sup>70</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

prior to the close of trading of the Germany 30 Binary Contract removing the highest five (5) DFC trade prices and the lowest five (5) DFC trade prices, and using the remaining fifteen (15) DFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) DFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no daily settlement price of the relevant DFC is announced by the Source Agency, the Settlement Date will be delayed until such daily settlement price for that Series is released and publicly available.

RULE 12.52 - 12.53 [UNCHANGED]

RULE 12.54 JAPAN 225 VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Japan 225 Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price of the SGX<sup>®</sup> Nikkei 225 Index Futures contracts (“NKFC”) traded on the Singapore Exchange (SGX)<sup>71</sup>. The NKFC trade prices that will be used to calculate the Underlying will be taken from four (4) NKFC delivery months: March, June, September, or December (each a “NKFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Monday of the week of the Underlying futures contracts Expiration Date. For example, the SGX Nikkei 225 December 2014 futures have an Expiration Date of December 11, 2014. The last day on which the Nikkei 225 December 2014 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Nikkei 225 contracts will be the Monday of the week of the SGX Nikkei 225 December 2014 futures contracts Expiration Date (i.e. December 11, 2014). Therefore, the End Date for using SGX Nikkei 225 December 2014 futures will

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be December 8, 2014 and the Start Date for the next delivery month, SGX Nikkei 225 March 2015 futures, will be December 9, 2014.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the Japan 225 Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows:

(i) DAILY VARIABLE JAPAN 225 CONTRACTS, 1:25 AM ET<sup>72</sup> CLOSE SPREAD - At the commencement of trading in a Daily Spread Japan 225 Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY VARIABLE PAYOUT CONTRACT ‘SPREAD’

(aa) CAP – The Cap shall be  $X + 400$ .

(bb) FLOOR – The Floor shall be  $X - 400$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(2) In each case, “X” equals the last NKFC price, as reported by the Source Agency, rounded to the nearest 100.

(ii) DAILY VARIABLE JAPAN 225 CONTRACTS, 1:25 AM ET<sup>73</sup> CLOSE NARROW SPREAD – At the commencement of trading in a Daily Narrow Spread Japan 225 Variable Payout Contract, Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges referred to as ‘Narrow Spreads’, which conform to the Payout Criteria listed below:

(1) DAILY VARIABLE PAYOUT CONTRACT ‘NARROW SPREAD’

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<sup>72</sup> During the period when the US observes daylight savings time, all Variable payout Japan 225 contracts will open and close 1 hour later than their regular defined times.

<sup>73</sup> During the period when the US observes daylight savings time, all Variable payout Japan 225 contracts will open and close 1 hour later than their regular defined times.

- (aa) CONTRACT 1: The Cap shall be X; The Floor shall be X – 400.
- (bb) CONTRACT 2; The Cap shall be X + 200; The Floor shall be X – 200.
- (cc) CONTRACT 3: The CAP shall be X + 400; The Floor shall be X.
- (dd) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(2) In each case, “X” equals the last NKFC price, as reported by the Source Agency rounded to the nearest 100.

(iii) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Japan 225 Variable Payout Contracts shall be 1.

(h) POSITION LIMIT – The Position Limits for Japan 225 Variable Payout Contracts shall be 31,250 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the Japan 225 Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Japan 225 calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) NKFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Japan 225 Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of NKFC trade prices and the lowest twenty (20) percent of five

~~(5) NKFC trade prices from the data set<sup>74</sup>, and using the remaining fifteen (15) NKFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) NKFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) NKFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Japan 225 Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) NKFC trade prices just prior to the close of trading of the Japan 225 Variable Contract removing the highest five (5) NKFC trade prices and the lowest five (5) NKFC trade prices, and using the remaining fifteen (15) NKFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) NKFC trade prices, rounded to one decimal point past the precision of the underlying market.~~

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source agency, the Settlement Date will be delayed until the Underlying number is released for the Series.

#### RULE 12.55 JAPAN 225 BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Japan 225 Binary Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price of the SGX<sup>®</sup> Nikkei 225 Futures contracts (“NKFC”) traded on the Singapore Exchange (SGX)<sup>75</sup>. The NKFC trade

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<sup>74</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

<sup>75</sup> SGX<sup>®</sup> is a registered service mark of the Singapore Exchange Limited (“SGX”). Nikkei is a registered mark of Nikkei, Inc. All rights in the Trademarks and Futures Trading Data of SGX vest in Singapore Exchange Limited (“SGX”). The Japan 225 Binary Contract is not sponsored, endorsed, sold or promoted by SGX. SGX makes no representation or warranty, express or implied to the investors in the Japan 225 Binary Contract or any member of the public in any manner whatsoever regarding the advisability of investing in any financial product generally or in particularly the Japan 225 Binary Contract. The relationship of SGX towards Nadex is in respect of licensing the use of the SGX Nikkei 225 Index Futures Trading Data. SGX has no obligation to take the needs of the investors of the Japan 225 Binary Contract into consideration in determining, composing or calculating the SGX Nikkei 225 Index Futures Trading Data. SGX is neither responsible for nor has participated in the structure of the Japan 225 Binary Contract. SGX has no obligation or liability in connection with the administration, marketing or trading of the Japan 225 Binary Contract. You are strongly advised to independently verify the accuracy, timeliness and reliability of the Japan 225 Binary Contract and to consult with your investment advisor before investing. Nadex is not affiliated with Nikkei, Inc. and neither Nikkei, Inc., nor its affiliates, sponsor or endorse Nadex or its products in any way. In particular, the Nadex Japan 225 Contracts are not sponsored, endorsed, sold or promoted by Nikkei, Inc.

prices that will be used to calculate the Underlying will be taken from four (4) NKFC delivery months: March, June, September, or December (each a “NKFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Monday of the week of the Underlying futures contracts Expiration Date. For example, the SGX Nikkei 225 December 2014 futures have an Expiration Date of December 11, 2014. The last day on which the Nikkei 225 December 2014 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant Nikkei 225 contracts will be the Monday of the week of the SGX Nikkei 225 December 2014 futures contracts Expiration Date (i.e. December 11, 2014). Therefore, the End Date for using SGX Nikkei 225 December 2014 futures will be December 8, 2014 and the Start Date for the next delivery month, SGX Nikkei 225 March 2015 futures, will be December 9, 2014<sup>76</sup>.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the Japan 225 Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY JAPAN 225 BINARY CONTRACTS

(1) EXPIRATION TIME – 1:25 AM ET CLOSE<sup>77</sup>

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 100.

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<sup>76</sup> Weekly contracts listed on a Monday during a week containing an Underlying futures rollover date will be listed using the Underlying futures month scheduled to be used to determine the settlement value on the day the contract expires. For example, the End Date for the SGX Nikkei 225 December 2014 Underlying futures is December 11, 2014. December 11, 2014 is a Thursday, however, and any Nadex weekly contracts listed during this week and expiring on Friday, December 12, 2014, will be listed using the SGX Nikkei March 2015 futures as its Underlying, as March is the futures month scheduled to be used to determine the Settlement Value of the Nadex weekly contract on its expiration date. Therefore, the Start Date for the SGX Nikkei March 2015 futures will be Monday, December 8, 2014 for any Nadex weekly contracts listed on this date.

<sup>77</sup> During the period when the US observes daylight savings time, Weekly Japan 225 Binary Contracts will open and close 1 hour later than their regular defined times.



- (3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for each Weekly Japan 225 Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 25 or 75 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract W at an interval of 100, and six (6) strike levels will be generated below Binary Contract W at an interval of 100 (e.g.  $W - 100$ ;  $W$ ;  $W + 100$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY JAPAN 225 BINARY CONTRACTS

- (1) EXPIRATION TIME – 1:25 AM ET CLOSE<sup>78</sup>
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 40.
- (3) NUMBER OF STRIKE LEVELS LISTED – Fifteen (15) strike levels will be listed for each Daily Japan 225 Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 10 as reported by the Source Agency. Seven (7) strike levels will be generated above Binary Contract X at an interval of 40, and seven (7) strike levels will be generated below Binary Contract X at an interval of 40 (e.g.  $X - 40$ ;  $X$ ;  $X + 40$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY JAPAN 225 BINARY CONTRACTS

- (1) EXPIRATION TIME – 9 PM, 10 PM, 11 PM, 12 AM, 1 AM ET CLOSE<sup>79</sup>

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<sup>78</sup> During the period when the US observes daylight savings time, Daily Japan 225 Binary Contracts will open and close 1 hour later than their regular defined times.

<sup>79</sup> During the period when the US observes daylight savings time, Intraday Japan 225 Binary Contracts will open and close 1 hour later than their regular defined times.

- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 40.
- (3) NUMBER OF STRIKE LEVELS LISTED – Nine (9) strike levels will be listed for each Intraday Japan 225 Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 10 as reported by the Source Agency. Four (4) strike levels will be generated above Binary Contract Y at an interval of 40, and four (4) strike levels will be generated below Binary Contract Y at an interval of 40 (e.g. Y – 40; Y; Y + 40). The Contract will have a Payout Criterion of greater than the strike level value.
- (5) The Intraday Japan 225 Binary Contracts will not be listed on the three business days immediately following the End Date of the Underlying.

(iv) INTRADAY JAPAN 225 20-MINUTE BINARY CONTRACTS

- (1) EXPIRATION TIME – 7:20PM, 7:40PM, 8:00PM, 8:20PM, 8:40PM, 9:00PM, 9:20PM, 9:40PM, 10:00PM, 10:20PM, 10:40PM, 11:00PM, 11:20PM, 11:40, 12:00AM, 12:20AM, 12:40AM, 1:00AM, 1:20AM ET CLOSE<sup>80</sup>
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 20.
- (3) NUMBER OF STRIKE LEVELS LISTED - Nine (9) strike levels will be listed for each Intraday Japan 225 20-Minute Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 1. Four (4) strike levels will be generated above Binary Contract Z at an interval of 20, and four (4) strike levels will be generated below Binary Contract Z

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<sup>80</sup> During the period when the US observes daylight savings time, Intraday Japan 225 Binary Contracts will open and close 1 hour later than their regular defined times.

at an interval of 20 (e.g. Z -20; Z; Z + 20). The Contract will have a Payout Criterion of greater than the strike level value.

(5) The Intraday Japan 225 20-Minute Binary Contracts will not be listed on the three business days immediately following the End Date of the Underlying.

(v) Nadex may list additional Japan 225 Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for the Japan 225 Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – The Position Limits for the Japan 225 Binary Contracts shall be 2,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date in a Series is the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the Japan 225 Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in-the-money Contract on the Settlement Date. The Settlement Value of an in-the-money Japan 225 Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of Japan 225 calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) NKFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Japan 225 Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of NKFC trade prices and the lowest twenty (20) percent of five (5) NKFC trade prices from the data set<sup>81</sup>, and using the remaining fifteen (15) NKFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) NKFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) NKFC trade prices

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<sup>81</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

exceeds the ten (10) seconds just prior to the close of trading of the Japan 225 Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) NKFC trade prices just prior to the close of trading of the Japan 225 Binary Contract removing the highest five (5) NKFC trade prices and the lowest five (5) NKFC trade prices, and using the remaining fifteen (15) NKFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) NKFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no daily settlement price of the relevant NKFC is announced by the Source Agency, the Settlement Date will be delayed until such daily settlement price for that Series is released and publicly available.

#### RULE 12.56 [RESERVED]

#### RULE 12.57 CHINA 50 BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the China 50 Binary Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the SGX<sup>®</sup> FTSE<sup>®</sup> Xinhua<sup>®</sup> China A50 Index Futures<sup>82</sup> contracts (“CHFC”) traded on the Singapore Exchange (SGX). The CHFC prices that will be used to calculate the Underlying will be taken from twelve (12) CHFC futures months: January, February, March, April, May, June, July, August, September, October, November, December (each a “CHFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the third business day prior to the last trading day of the Underlying futures contracts Expiration Date. For example, the SGX FTSE Xinhua China A50 Index March 2015 Futures has an Expiration Date of March 30, 2015. The last day on which the China A50 Index March 2015 Futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant China 50 Contracts will be the third business day prior to the China A50 Index Futures’ Expiration Date (i.e. March 30, 2015). Therefore, the End Date for using the China A50 Index March 2015 Futures will be March 25, 2015,

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and the Start Date for the next delivery month, China A50 Index April 2015 Futures, will be March 26, 2015.<sup>83</sup>

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the China 50 Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY CHINA 50 BINARY CONTRACTS

(1) EXPIRATION TIME – 2:55AM ET CLOSE<sup>84</sup>

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 100.

(3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for the Weekly China 50 Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 25 or 75 as reported by the Source Agency. Six (6) strike levels will be generated above Binary Contract W at an interval of one-hundred (100), and six (6) strike levels will be generated below Binary Contract W at an interval of 100 (e.g. W – 100; W; W

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<sup>83</sup> Weekly contracts listed on a Monday during a week containing an underlying futures rollover date will be listed using the underlying futures month scheduled to be used to determine the settlement value on the day the contract expires. For example, the last trading date for the SGX FTSE Xinhua China A50 Index Futures March 2015 contract is March 30, 2015. The last trading date the Nadex China 50 Binary Contract would be based on the underlying April 2015 contract month would be March 25, 2015, and the underlying futures month would roll to April 2015 for trade date March 26, 2015. March 26, 2015 is a Thursday, however, and any Nadex weekly contracts listed on this date and expiring on Friday, March 27, 2015, will be listed using the SGX FTSE Xinhua China A50 Index April 2015 Futures as its Underlying, as May is the futures month scheduled to be used to determine the Settlement Value of the Nadex weekly contract on its expiration date. Therefore, the first trading date for the Start Date for the SGX FTSE Xinhua China A50 Index Futures April 2015 futures contract will be Monday, March 23, 2015 for any Nadex weekly contracts listed on this date.

<sup>84</sup> During the period when the US observes daylight savings time, Weekly China 50 Binary Contracts will open and close 1 hour later than their regular defined times.

+ 100). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY CHINA 50 BINARY CONTRACTS

- (1) EXPIRATION TIME – 2:55AM ET CLOSE<sup>85</sup>
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 20.
- (3) NUMBER OF STRIKE LEVELS LISTED - Fifteen (15) strike levels will be listed for the Daily China 50 Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in 10 as reported by the Source Agency. Seven (7) strike levels will be generated above Binary Contract X at an interval of 20, and seven (7) strike levels will be generated below Binary Contract X at an interval of 20 (e.g. X – 20; X; X + 20). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) Nadex may list additional China 50 Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for the China 50 Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – The Position Limit for the China 50 Binary Contracts shall be 2,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date in a Series is the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the China 50 Expiration Value is released by the Source Agency.

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<sup>85</sup> During the period when the US observes daylight savings time, Daily China 50 Binary Contracts will open and close 1 hour later than their regular defined times.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in-the-money Contract on the Settlement Date. The Settlement Value of an in-the-money China 50 Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the price or value of China 50 released by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) CHFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the China 50 Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of CHFC trade prices and the lowest twenty (20) percent of five (5) CHFC trade prices from the data set<sup>86</sup>, and using the remaining fifteen (15) CHFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) CHFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) CHFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the China 50 Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) CHFC trade prices just prior to the close of trading of the China 50 Variable Contract removing the highest five (5) CHFC trade prices and the lowest five (5) CHFC trade prices, and using the remaining fifteen (15) CHFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) CHFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no daily settlement price of the relevant CHFC is announced by the Source Agency, the Settlement Date will be delayed until such settlement price for that Series is released and publicly available.

## RULE 12.58 US 500 VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the US 500 Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price of the E-mini S&P 500® Futures contracts (“SPFC”) traded on the Chicago Mercantile Exchange® (CME®)<sup>87</sup>. The

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<sup>86</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

<sup>87</sup> CME® is a registered mark of the Chicago Mercantile Exchange. S&P 500 is a registered mark of the McGraw-Hill Companies, Inc. Nadex is not affiliated with the Chicago Mercantile Exchange or the McGraw-Hill Companies and neither the Chicago Mercantile Exchange, the McGraw-Hill Companies, nor its affiliates, sponsor or endorse Nadex or its products in any way. In particular, the Nadex US 500 Contracts are not sponsored, endorsed, sold or promoted by CME or the McGraw-Hill Companies.

SPFC trade prices that will be used for the Underlying will be taken from four (4) SPFC delivery months: March, June, September, or December (each a “SPFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Friday of the week preceding the Underlying futures contracts Expiration Date. For example, the CME e-mini S&P 500 March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the e-mini S&P 500 March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant e-mini S&P 500 contracts will be the Friday of the preceding week. Therefore, the End Date for using CME e-mini S&P 500 March 2012 futures will be March 9, 2012 and the Start Date for the next delivery month, CME e-mini S&P 500 June 2012 futures, will be March 10, 2012.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the US 500 Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows:

(i) DAILY US 500 VARIABLE PAYOUT SPREAD CONTRACTS, 4:15 PM ET CLOSE - At the commencement of trading in a Daily Spread US 500 Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY US 500 VARIABLE PAYOUT ‘SPREAD’ CONTRACT

(aa) CAP – The Cap shall be  $X + 40$ .

(bb) FLOOR – The Floor shall be  $X - 40$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(2) In each case, “X” equals the last SPFC price, as reported by the Source Agency, rounded to the nearest 10.



(ii) DAILY US 500 VARIABLE PAYOUT SPREAD CONTRACTS, 4:15 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X; The Floor shall be X – 40.
- (2) CONTRACT 2: The Cap shall be X + 20; The Floor shall be X – 20.
- (3) CONTRACT 3: The Cap shall be X + 40; The Floor shall be X.
- (4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(5) In each case, “X” equals the last SPFC price, as reported by the Source Agency, rounded to the nearest 10.

(iii) INTRADAY US 500 VARIABLE PAYOUT SPREAD CONTRACTS, 8AM ET to 4:15 PM ET CLOSE - Nadex shall list a set of five (5) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X – 15; The Floor shall be X – 45.
- (2) CONTRACT 2: The Cap shall be X; The Floor shall be X – 30.
- (3) CONTRACT 3: The Cap shall be X + 15; The Floor shall be X – 15.
- (4) CONTRACT 4: The Cap shall be X + 30; The Floor shall be X.
- (5) CONTRACT 5: The Cap shall be X + 45; The Floor shall be X + 15.
- (6) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(7) In each case, “X” equals the last SPFC price, as reported by the Source Agency, rounded to the nearest 5.

(iv) INTRADAY 2-HOUR US 500 VARIABLE PAYOUT SPREAD CONTRACTS, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, 3:00PM and 4:00PM ET CLOSE - Nadex shall list a set of five (5) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X - 5; The Floor shall be X - 15.
- (2) CONTRACT 2: The Cap shall be X; The Floor shall be X – 10.
- (3) CONTRACT 3: The Cap shall be X + 5; The Floor shall be X – 5.

154

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(4) CONTRACT 4: The Cap shall be  $X + 10$ ; The Floor shall be  $X$ .

(5) CONTRACT 5: The Cap shall be  $X + 15$ ; The Floor shall be  $X + 5$ .

(6) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(7) In each case, “X” equals the last SPFC price, as reported by the Source Agency, rounded to the nearest 5.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for US 500 Variable Payout Contracts shall be 0.1.

(h) POSITION LIMIT – The Position Limits for US 500 Variable Payout Contracts shall be 31,250 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the US 500 Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the level of US 500 as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) SPFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the US 500 Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of SPFC trade prices and the lowest twenty (20) percent of five (5) SPFC trade prices from the data set<sup>88</sup>, and using the remaining fifteen (15) SPFC trade prices to calculate the Expiration

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<sup>88</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to

Value. The calculation used is a simple average of the remaining all fifteen (15) SPFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) SPFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the US 500 Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) SPFC trade prices just prior to the close of trading of the US 500 Variable Contract removing the highest five (5) SPFC trade prices and the lowest five (5) SPFC trade prices, and using the remaining fifteen (15) SPFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) SPFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source agency, the Settlement Date will be delayed until the Underlying number is released for the Series.

#### RULE 12.59 US 500 BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the US 500 Binary Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Binary Contracts is the price of the E-mini S&P 500® Futures contracts (“SPFC”) traded on the Chicago Mercantile Exchange® (CME®)<sup>89</sup>. The SPFC trade prices that will be used to calculate the Underlying will be taken from four (4) SPFC delivery months: March, June, September, or December (each a “SPFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Friday of the week preceding the Underlying futures contracts Expiration Date. For example, the CME e-mini S&P 500 March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the e-mini S&P 500 March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant e-mini S&P 500 contracts will be the Friday of the preceding week. Therefore, the End Date for using CME e-mini S&P 500 March 2012 futures will be March 9, 2012 and the Start Date for the next delivery month, CME e-mini S&P 500 June 2012 futures, will be March 10, 2012.

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the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

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(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the US 500 Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY US 500 BINARY CONTRACTS

(1) EXPIRATION TIME – 4:15PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 12.

(3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for the Weekly US 500 Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in .50. Six (6) strike levels will be generated above Binary Contract W at an interval of 12, and six (6) strike levels will be generated below Binary Contract W at an interval of 12 (e.g.  $W - 12$ ;  $W$ ;  $W + 12$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY US 500 BINARY CONTRACTS

(1) EXPIRATION TIME – 4:15PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be

3.

(3) NUMBER OF STRIKE LEVELS LISTED - Twenty-one (21) strike levels will be listed for the Daily US 500 Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined

by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest one (1). Ten (10) strike levels will be generated above Binary Contract X at an interval of 3, and ten (10) strike levels will be generated below Binary Contract X at an interval of 3 (e.g.  $X - 3$ ;  $X$ ;  $X + 3$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY US 500 2-HOUR BINARY CONTRACTS

- (1) EXPIRATION TIME – 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, 3:00PM, 4:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 1.5.
- (3) NUMBER OF STRIKE LEVELS LISTED - Fifteen (15) strike levels will be listed for each Intraday US 500 2-Hour Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in .10. Seven (7) strike levels will be generated above Binary Contract Y at an interval of 1.5, and seven (7) strike levels will be generated below Binary Contract Y at an interval of 1.5 (e.g.  $Y - 1.5$ ;  $Y$ ;  $Y + 1.5$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) INTRADAY US 500 20-MINUTE BINARY CONTRACTS

- (1) EXPIRATION TIME – 10:00AM, 10:20AM, 10:40AM, 11:00AM, 11:20AM, 2:40PM, 3:00PM, 3:20PM, 3:40PM 4:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.75.
- (3) NUMBER OF STRIKE LEVELS LISTED – Fifteen (15) strike levels will be listed for each Intraday US 500 20-Minute Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in .05. Seven (7) strike levels will be generated above Binary Contract Z at an interval of 0.75, and seven (7) strike levels will be generated below Binary Contract Z at an

158

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interval of 0.75 (e.g.  $Z - 0.75$ ;  $Z$ ;  $Z + 0.75$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(v) INTRADAY US 500 20-MINUTE BINARY CONTRACTS

- (1) EXPIRATION TIME – 11:40AM, 12:00PM, 12:20PM, 12:40PM, 1:00PM, 1:20PM, 1:40PM, 2:00PM, 2:20PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.5.
- (3) NUMBER OF STRIKE LEVELS LISTED - Fifteen (15) strike levels will be listed for each Intraday US 500 20-Minute Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in .05. Seven (7) strike levels will be generated above Binary Contract Z at an interval of 0.5, and seven (7) strike levels will be generated below Binary Contract Z at an interval of 0.5 (e.g.  $Z - 0.5$ ;  $Z$ ;  $Z + 0.5$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(vi) Nadex may list additional US 500 Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for the US 500 Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – The Position Limits for the US 500 Binary Contracts shall be 2,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date in a Series is the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the 500 Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in-the-money Contract on the Settlement Date. The Settlement Value of an in-the-money US 500 Binary Contract is \$100.

(m) EXPIRATION VALUE – EXPIRATION VALUE – The Expiration Value is the price or value of US 500 as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) SPFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the US 500 Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of SPFC trade prices and the lowest twenty (20) percent of five (5) SPFC trade prices from the data set<sup>90</sup>, and using the remaining fifteen (15) SPFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) SPFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) SPFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the US 500 Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) SPFC trade prices just prior to the close of trading of the US 500 Binary Contract removing the highest five (5) SPFC trade prices and the lowest five (5) SPFC trade prices, and using the remaining fifteen (15) SPFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) SPFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no daily settlement price of the relevant SPFC is announced by the Source Agency, the Settlement Date will be delayed until such daily settlement price for that Series is released and publicly available.

#### RULE 12.60 US SMALLCAP 2000 VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the US SmallCap 2000 Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price of the Russell 2000<sup>®</sup> Mini Futures contracts (“RUFC”) traded on the ICE Futures US<sup>®</sup> (ICE Futures)<sup>91</sup>. The RUFC trade prices that will be used for the Underlying will be taken from four (4) RUFC delivery months:

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<sup>90</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

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March, June, September, or December (each a “RUFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Friday of the week preceding the Underlying futures contracts Expiration Date. For example, the ICE e-mini Russell 2000 March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the e-mini Russell 2000 March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant e-mini Russell 2000 contracts will be the Friday of the preceding week. Therefore, the End Date for using ICE e-mini Russell 2000 March 2012 futures will be March 9, 2012 and the Start Date for the next delivery month, ICE e-mini Russell 2000 June 2012 futures, will be March 10, 2012.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the US SmallCap 2000 Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows:

(i) DAILY US SMALLCAP 2000 VARIABLE PAYOUT SPREAD CONTRACTS, 4:15 PM ET CLOSE - At the commencement of trading in a Daily Spread US SmallCap 2000 Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY US SMALLCAP 2000 VARIABLE PAYOUT ‘SPREAD’ CONTRACT

(aa) CAP – The Cap shall be  $X + 30$ .

(bb) FLOOR – The Floor shall be  $X - 30$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(2) In each case, “X” equals the last RUFC price, as reported by the Source Agency, rounded to the nearest 5.

(ii) DAILY US SMALLCAP 2000 VARIABLE PAYOUT SPREAD CONTRACTS, 4:15 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

161

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- (1) CONTRACT 1: The Cap shall be X; The Floor shall be X – 30.
- (2) CONTRACT 2: The Cap shall be X + 15; The Floor shall be X – 15.
- (3) CONTRACT 3: The Cap shall be X + 30; The Floor shall be X.
- (4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(5) In each case, “X” equals the last RUFC price, as reported by the Source Agency, rounded to the nearest 5.

(iii) INTRADAY US SMALLCAP 2000 VARIABLE PAYOUT SPREAD CONTRACTS, 8AM ET to 4:15 PM ET CLOSE - Nadex shall list a set of five (5) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X - 10; The Floor shall be X – 30.
- (2) CONTRACT 2: The Cap shall be X; The Floor shall be X – 20.
- (3) CONTRACT 3: The Cap shall be X + 10; The Floor shall be X – 10.
- (4) CONTRACT 4: The Cap shall be X + 20; The Floor shall be X.
- (5) CONTRACT 5: The Cap shall be X + 30; The Floor shall be X + 10.
- (6) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(7) In each case, “X” equals the last RUFC price, as reported by the Source Agency, rounded to the nearest 5.

(iv) INTRADAY 2-HOUR US SMALLCAP 2000 VARIABLE PAYOUT SPREAD CONTRACTS, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, 3:00PM and 4:00PM ET CLOSE - Nadex shall list a set of five (5) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X – 3.5; The Floor shall be X – 10.5.
- (2) CONTRACT 2: The Cap shall be X; The Floor shall be X – 7.
- (3) CONTRACT 3: The Cap shall be X + 3.5; The Floor shall be X – 3.5.
- (4) CONTRACT 4: The Cap shall be X + 7; The Floor shall be X.

162

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(5) CONTRACT 5: The Cap shall be  $X + 10.5$ ; The Floor shall be  $X + 3.5$ .

(6) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 10.

(7) In each case, “X” equals the last RUFC price, as reported by the Source Agency, rounded to the nearest 1.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for US SmallCap 2000 Variable Payout Contracts shall be 0.1.

(h) POSITION LIMIT – The Position Limits for US SmallCap 2000 Variable Payout Contracts shall be 50,000 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the US SmallCap 2000 Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the level of US SmallCap 2000 as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) RUFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the US SmallCap 2000 Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of RUFC trade prices and the lowest twenty (20) percent of five (5) RUFC trade prices from the data set<sup>92</sup>, and using the remaining fifteen (15) RUFC

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<sup>92</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) RUFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) SPFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the US SmallCap 2000 Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) RUFC trade prices just prior to the close of trading of the US SmallCap 2000 Variable Contract removing the highest five (5) RUFC trade prices and the lowest five (5) RUFC trade prices, and using the remaining fifteen (15) RUFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) RUFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no daily settlement price of the relevant RUFC is announced by the Source Agency, the Settlement Date will be delayed until such daily settlement price for that Series is released and publicly available.

#### RULE 12.61 US SMALLCAP 2000 BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the US SmallCap 2000 Binary Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Binary Contracts is the price of the Russell 2000<sup>®</sup> Mini Futures contracts (“RUFC”) traded on ICE Futures US<sup>®</sup> (ICE Futures)<sup>93</sup>. The RUFC trade prices that will be used to calculate the Underlying will be taken from four (4) RUFC delivery months: March, June, September, or December (each a “RUFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Friday of the week preceding the Underlying futures contracts Expiration Date. For example, the ICE e-mini Russell 2000 March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the e-mini Russell 2000 March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant e-mini Russell 2000 contracts will be the Friday of the preceding week. Therefore, the End Date for using ICE e-mini Russell 2000 March 2012 futures will be March 9, 2012 and the Start Date for the next delivery month, ICE e-mini Russell 2000 June 2012 futures, will be March 10, 2012.

(c) SOURCE AGENCY – The Source Agency is Nadex.

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(d) TYPE – The Type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the US SmallCap 2000 Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY US SMALLCAP 2000 BINARY CONTRACTS

- (1) EXPIRATION TIME – 4:15PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 6.
- (3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for the Weekly US SmallCap 2000 Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest one (1). Six (6) strike levels will be generated above Binary Contract W at an interval of 6, and six (6) strike levels will be generated below Binary Contract W at an interval of 6 (e.g.  $W - 6$ ;  $W$ ;  $W + 6$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY US SMALLCAP 2000 BINARY CONTRACTS

- (1) EXPIRATION TIME – 4:15PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 2.
- (3) NUMBER OF STRIKE LEVELS LISTED - Twenty-one (21) strike levels will be listed for the Daily US SmallCap 2000 Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest one (1). Ten

(10) strike levels will be generated above Binary Contract X at an interval of 2, and ten (10) strike levels will be generated below Binary Contract X at an interval of 2 (e.g.  $X - 2$ ;  $X$ ;  $X + 2$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY US SMALLCAP 2000 2-HOUR BINARY CONTRACTS

- (1) EXPIRATION TIME – 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, 3:00PM, 4:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 1.4.
- (3) NUMBER OF STRIKE LEVELS LISTED - Fifteen (15) strike levels will be listed for each Intraday US SmallCap 2000 2-Hour Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in .10. Seven (7) strike levels will be generated above Binary Contract Y at an interval of 1.4, and seven (7) strike levels will be generated below Binary Contract Y at an interval of 1.4 (e.g.  $Y - 1.4$ ;  $Y$ ;  $Y + 1.4$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) INTRADAY US SMALLCAP 2000 20-MINUTE BINARY

CONTRACTS

- (1) EXPIRATION TIME – 10:00AM, 10:20AM, 10:40AM, 11:00AM, 11:20AM, 2:40PM, 3:00PM, 3:20PM, 3:40PM 4:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.7.
- (3) NUMBER OF STRIKE LEVELS LISTED – Fifteen (15) strike levels will be listed for each Intraday US SmallCap 2000 20-Minute Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in .10. Seven (7) strike levels will be generated above Binary Contract Z at an interval of 0.7, and seven (7) strike levels will be generated below Binary Contract

Z at an interval of 0.7 (e.g.  $Z - 0.7$ ;  $Z$ ;  $Z + 0.7$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(v) INTRADAY US SMALLCAP 2000 20-MINUTE BINARY CONTRACTS

- (1) EXPIRATION TIME – 11:40AM, 12:00PM, 12:20PM, 12:40PM, 1:00PM, 1:20PM, 1:40PM, 2:00PM, 2:20PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 0.5.
- (3) NUMBER OF STRIKE LEVELS LISTED - Fifteen (15) strike levels will be listed for each Intraday US SmallCap 2000 20-Minute Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in .10. Seven (7) strike levels will be generated above Binary Contract Z at an interval of 0.5, and seven (7) strike levels will be generated below Binary Contract Z at an interval of 0.5 (e.g.  $Z - 0.5$ ;  $Z$ ;  $Z + 0.5$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(vi) Nadex may list additional US SmallCap 2000 Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for the US SmallCap 2000 Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – The Position Limits for the US SmallCap 2000 Binary Contracts shall be 2,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date in a Series is the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the 500 Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in-the-money Contract on the Settlement Date. The Settlement Value of an in-the-money US SmallCap 2000 Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the level of US SmallCap 2000 as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) RUF C trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the US SmallCap 2000 Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of RUF C trade prices and the lowest twenty (20) percent of five (5) RUF C trade prices from the data set<sup>94</sup>, and using the remaining fifteen (15) RUF C trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) RUF C trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) SPFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the US SmallCap 2000 Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) RUF C trade prices just prior to the close of trading of the US SmallCap 2000 Binary Contract removing the highest five (5) RUF C trade prices and the lowest five (5) RUF C trade prices, and using the remaining fifteen (15) RUF C trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) RUF C trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no daily settlement price of the relevant RUF C is announced by the Source Agency, the Settlement Date will be delayed until such daily settlement price for that Series is released and publicly available.

## RULE 12.62 US TECH100 VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the US Tech 100 Variable Payout Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price of the E-mini NASDAQ 100® Futures contracts (“NQFC”) traded on the Chicago Mercantile Exchange (CME®)<sup>95</sup>.

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<sup>94</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

<sup>95</sup> CME® is a registered mark of the Chicago Mercantile Exchange. NASDAQ-100 are registered marks of the Nasdaq Stock Market, Inc. Nadex is not affiliated with the Chicago Mercantile Exchange or Nasdaq Stock Market and neither the Chicago Mercantile Exchange, the Nasdaq Market, nor its affiliates, sponsor or endorse Nadex or its products in any way. In particular, the Nadex US Tech 100 Contracts are not sponsored, endorsed, sold or promoted by CME or the Nasdaq Stock Market.

The NQFC trade prices that will be used to calculate the Underlying will be taken from four (4) NQFC delivery months: March, June, September, or December (each a “NQFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Friday of the week preceding the Underlying futures contracts Expiration Date. For example, the CME e-mini NASDAQ 100 March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the e-mini NASDAQ 100 March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant e-mini NASDAQ 100 contracts will be the Friday of the preceding week. Therefore, the End Date for using CME e-mini NASDAQ 100 March 2012 futures will be March 9, 2012 and the Start Date for the next delivery month, CME e-mini NASDAQ 100 June 2012 futures, will be March 10, 2012.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the US Tech 100 Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows:

(i) DAILY US TECH 100 VARIABLE PAYOUT SPREAD CONTRACTS, 4:15 PM ET CLOSE - At the commencement of trading in a Daily Spread US Tech 100 Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY US TECH 100 VARIABLE PAYOUT ‘SPREAD’ CONTRACT

(aa) CAP – The Cap shall be  $X + 40$

(bb) FLOOR – The Floor shall be  $X - 40$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(2) In each case, “X” equals the last NQFC price, as reported by the Source Agency, rounded to the nearest 10.



(ii) DAILY US TECH 100 VARIABLE PAYOUT SPREAD CONTRACTS, 4:15 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X; The Floor shall be X – 40.
- (2) CONTRACT 2: The Cap shall be X + 20; The Floor shall be X – 20.
- (3) CONTRACT 3: The Cap shall be X + 40; The Floor shall be X.
- (4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(5) In each case, “X” equals the last NQFC price, as reported by the Source Agency, rounded to the nearest 10.

(iii) INTRADAY US TECH 100 VARIABLE PAYOUT SPREAD CONTRACTS, 8AM ET to 4:15 PM ET CLOSE - Nadex shall list a set of five (5) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X - 15; The Floor shall be X – 45.
- (2) CONTRACT 2: The Cap shall be X; The Floor shall be X – 30.
- (3) CONTRACT 3: The Cap shall be X + 15; The Floor shall be X – 15.
- (4) CONTRACT 4: The Cap shall be X + 30; The Floor shall be X.
- (5) CONTRACT 5: The Cap shall be X + 45; The Floor shall be X + 15.
- (6) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(7) In each case, “X” equals the last NQFC price, as reported by the Source Agency, rounded to the nearest 10.

(iv) INTRADAY 2-HOUR US TECH 100 VARIABLE PAYOUT SPREAD CONTRACTS, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, 3:00PM and 4:00PM ET CLOSE - Nadex shall list a set of five (5) Variable Payout Contracts that open 2 hours prior to the stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

- (1) CONTRACT 1: The Cap shall be X - 5; The Floor shall be X – 15.
- (2) CONTRACT 2: The Cap shall be X; The Floor shall be X – 10.

(3) CONTRACT 3: The Cap shall be  $X + 5$ ; The Floor shall be  $X - 5$ .

(4) CONTRACT 4: The Cap shall be  $X + 10$ ; The Floor shall be  $X$ .

(5) CONTRACT 5: The Cap shall be  $X + 15$ ; The Floor shall be  $X + 5$ .

(6) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(7) In each case, “X” equals the last NQFC price, as reported by the Source Agency, rounded to the nearest 5.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for US Tech 100 Variable Payout Contracts shall be 0.10.

(h) POSITION LIMIT – The Position Limits for US Tech 100 Variable Payout Contracts shall be 125,000 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the US Tech 100 Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the level of US Tech 100 as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) NQFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the US Tech 100 Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of NQFC trade prices and the lowest twenty (20) percent of five (5)

NQFC trade prices from the data set<sup>96</sup>, and using the remaining ~~fifteen (15)~~ NQFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) NQFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) SPFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the US Tech 100 Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) NQFC trade prices just prior to the close of trading of the US Tech 100 Variable Contract removing the highest five (5) NQFC trade prices and the lowest five (5) NQFC trade prices, and using the remaining fifteen (15) NQFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) NQFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source agency, the Settlement Date will be delayed until the Underlying number is released for the Series.

#### RULE 12.63 US TECH 100 BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the US Tech 100 Binary Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Binary Contracts is the price of the E-mini NASDAQ 100® Futures contracts (“NQFC”) traded on the Chicago Mercantile Exchange® (CME®)<sup>97</sup>. The NQFC trade prices that will be used to calculate the Underlying will be taken from four (4) NQFC delivery months: March, June, September, or December (each a “NQFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Friday of the week preceding the Underlying futures contracts Expiration Date. For example, the CME e-mini NASDAQ 100 March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the e-mini NASDAQ 100 March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the

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<sup>96</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

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relevant e-mini NASDAQ 100 contracts will be the Friday of the preceding week. Therefore, the End Date for using CME e-mini NASDAQ 100 March 2012 futures will be March 9, 2012 and the Start Date for the next delivery month, CME e-mini NASDAQ 100 June 2012 futures, will be March 10, 2012.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the US Tech 100 Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY US TECH 100 BINARY CONTRACTS

- (1) EXPIRATION TIME – 4:15PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 12.
- (3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for the Weekly US Tech 100 Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “W” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest one (1). Six (6) strike levels will be generated above Binary Contract W at an interval of 12, and six (6) strike levels will be generated below Binary Contract W at an interval of 12 (e.g.  $W - 12$ ;  $W$ ;  $W + 12$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY US TECH 100 BINARY CONTRACTS

- (1) EXPIRATION TIME – 4:15PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 4.

- (3) NUMBER OF STRIKE LEVELS LISTED - Twenty-one (21) strike levels will be listed for the Daily US Tech 100 Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract "X" is valued 'at-the-money' in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest one (1). Ten (10) strike levels will be generated above Binary Contract X at an interval of 4, and ten (10) strike levels will be generated below Binary Contract X at an interval of 4 (e.g.  $X - 4$ ;  $X$ ;  $X + 4$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY US TECH 100 2-HOUR BINARY CONTRACTS

- (1) EXPIRATION TIME – 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, 3:00PM, 4:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 4.
- (3) NUMBER OF STRIKE LEVELS LISTED - Fifteen (15) strike levels will be listed for each Intraday US Tech 100 2-Hour Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract "Y" is valued 'at-the-money' in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest one (1). Seven (7) strike levels will be generated above Binary Contract Y at an interval of 4, and seven (7) strike levels will be generated below Binary Contract Y at an interval of 4 (e.g.  $Y - 4$ ;  $Y$ ;  $Y + 4$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) INTRADAY US TECH 100 20-MINUTE BINARY CONTRACTS

- (1) EXPIRATION TIME – 10:00AM, 10:20AM, 10:40AM, 11:00AM, 11:20AM, 2:40PM, 3:00PM, 3:20PM, 3:40PM 4:00PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 2.
- (3) NUMBER OF STRIKE LEVELS LISTED – Fifteen (15) strike levels will be listed for each Intraday US Tech 100 20-Minute Binary Contract Series.

- (4) **STRIKE LEVELS GENERATED** - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest 0.5. Seven (7) strike levels will be generated above Binary Contract Z at an interval of 2, and seven (7) strike levels will be generated below Binary Contract Z at an interval of 2 (e.g. Z - 2; Z; Z + 2). The Contract will have a Payout Criterion of greater than the strike level value.

(v) **INTRADAY US TECH 100 20-MINUTE BINARY CONTRACTS**

- (1) **EXPIRATION TIME** – 11:40AM, 12:00PM, 12:20PM, 12:40PM, 1:00PM, 1:20PM, 1:40PM, 2:00PM, 2:20PM ET CLOSE
- (2) **STRIKE INTERVAL WIDTH** – The interval width between each strike level shall be 1.
- (3) **NUMBER OF STRIKE LEVELS LISTED** – Fifteen (15) strike levels will be listed for each Intraday US Tech 100 20-Minute Binary Contract Series.
- (4) **STRIKE LEVELS GENERATED** - Strike levels will be generated such that Binary Contract “Z” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest 0.5. Seven (7) strike levels will be generated above Binary Contract Z at an interval of 1, and seven (7) strike levels will be generated below Binary Contract Z at an interval of 1 (e.g. Z - 1; Z; Z + 1). The Contract will have a Payout Criterion of greater than the strike level value.

(vi) Nadex may list additional US Tech 100 Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) **MINIMUM TICK** – The Minimum Tick size for the US Tech 100 Binary Contracts shall be \$0.25.

(h) **POSITION LIMIT** – The Position Limits for the US Tech 100 Binary Contracts shall be 2,500 Contracts.

(i) **LAST TRADING DATE** – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date in a Series is the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the US Tech 100 Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in-the-money Contract on the Settlement Date. The Settlement Value of an in-the-money US Tech 100 Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the level of US Tech 100 as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) NQFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the US Tech 100 Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of NQFC trade prices and the lowest twenty (20) percent of five (5) NQFC trade prices from the data set<sup>98</sup>, and using the remaining fifteen (15) NQFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) NQFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) SPFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the US Tech 100 Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) NQFC trade prices just prior to the close of trading of the US Tech 100 Binary Contract removing the highest five (5) NQFC trade prices and the lowest five (5) NQFC trade prices, and using the remaining fifteen (15) NQFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) NQFC trade prices, rounded to one decimal point past the precision of the underlying market.

(n) CONTINGENCIES – If no daily settlement price of the relevant NQFC is announced by the Source Agency, the Settlement Date will be delayed until such daily settlement price for that Series is released and publicly available.

## RULE 12.64 WALL STREET 30 VARIABLE PAYOUT CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Wall Street 30 Variable Payout Contracts issued by Nadex.

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<sup>98</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price of the E-mini Dow® Futures contracts (“DJFC”) traded on the Chicago Board of Trade (CBOT®)<sup>99</sup>. The DJFC trade prices that will be used to calculate the Underlying will be taken from four (4) DJFC delivery months: March, June, September, or December (each a “DJFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a delivery month will be used as the Underlying for Nadex contracts (i.e. “End Date”) is the Friday of the week preceding the Underlying futures contracts Expiration Date. For example, the CME e-mini Dow March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the e-mini Dow March 2012\_futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant e-mini Dow contracts will be the Friday of the preceding week. Therefore, the End Date for using CME e-mini Dow March 2012 futures will be March 9, 2012 and the Start Date for the next delivery month, CME e-mini Dow June 2012 futures, will be March 10, 2012.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Variable Payout Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Variable Payout Contracts are initially issued. For the Wall Street 30 Variable Payout Contract, the Payout Criteria for the Contracts will be set as follows:

(i) DAILY WALL STREET 30 VARIABLE PAYOUT SPREAD CONTRACTS, 4:15 PM ET CLOSE - At the commencement of trading in a Daily Spread Wall Street 30 Variable Payout Contract, Nadex shall list one (1) Variable Payout Contract, referred to as a ‘Spread’, which conforms to the Payout Criteria listed below:

(1) DAILY WALL STREET 30 VARIABLE PAYOUT ‘SPREAD’ CONTRACT

(aa) CAP – The Cap shall be  $X + 400$ .

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(bb) FLOOR – The Floor shall be  $X - 400$ .

(cc) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(2) In each case, “X” equals the last DJFC price, as reported by the Source Agency, rounded to the nearest 100.

(ii) DAILY WALL STREET 30 VARIABLE PAYOUT SPREAD CONTRACTS, 4:15 PM ET CLOSE - Nadex shall list a set of three (3) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 400$ .

(2) CONTRACT 2: The Cap shall be  $X + 200$ ; The Floor shall be  $X - 200$ .

(3) CONTRACT 3: The Cap shall be  $X + 400$ ; The Floor shall be  $X$ .

(4) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(5) In each case, “X” equals the last DJFC price, as reported by the Source Agency, rounded to the nearest 100.

(iii) INTRADAY WALL STREET 30 VARIABLE PAYOUT SPREAD CONTRACTS, 8AM ET to 4:15 PM ET CLOSE - Nadex shall list a set of five (5) Variable Payout Contracts with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X - 150$ ; The Floor shall be  $X - 450$ .

(2) CONTRACT 2: The Cap shall be  $X$ ; The Floor shall be  $X - 300$ .

(3) CONTRACT 3: The Cap shall be  $X + 150$ ; The Floor shall be  $X - 150$ .

(4) CONTRACT 4: The Cap shall be  $X + 300$ ; The Floor shall be  $X$ .

(5) CONTRACT 5: The Cap shall be  $X + 450$ ; The Floor shall be  $X + 150$ .

(6) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(7) In each case, “X” equals the last DJFC price, as reported by the Source Agency, rounded to the nearest 50.

(iv) INTRADAY 2-HOUR WALL STREET 30 VARIABLE PAYOUT SPREAD CONTRACTS, 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, 3:00PM and 4:00PM ET CLOSE - Nadex shall list a set of five (5) Variable Payout Contracts that open 2 hours prior to the

178

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stated closing time(s) above with overlapping ranges, which conform to the Payout Criteria listed below:

(1) CONTRACT 1: The Cap shall be  $X - 50$ ; The Floor shall be  $X - 150$ .

(2) CONTRACT 1: The Cap shall be  $X$ ; The Floor shall be  $X - 100$ .

(3) CONTRACT 2: The Cap shall be  $X + 50$ ; The Floor shall be  $X - 50$ .

(4) CONTRACT 3: The Cap shall be  $X + 100$ ; The Floor shall be  $X$ .

(5) CONTRACT 5: The Cap shall be  $X + 150$ ; The Floor shall be  $X + 50$ .

(6) DOLLAR MULTIPLIER – The Dollar Multiplier shall be 1.

(7) In each case, “X” equals the last DJFC price, as reported by the Source Agency, rounded to the nearest 25.

(v) Nadex may list additional Variable Payout Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for Wall Street 30 Variable Payout Contracts shall be 1.

(h) POSITION LIMIT – The Position Limits for Wall Street 30 Variable Payout Contracts shall be 31,250 Contracts.

(i) LAST TRADING DATE – The Last Trading Date of the Contract is the same date as the Settlement Date.

(j) SETTLEMENT DATE – The Settlement Date of the Contract shall be the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract shall be the date on which the Wall Street 30 Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of either a Short or Long Variable Payout Contract on Settlement Date. The Settlement Value of a Variable Payout Contract is determined as described in the definition for Long and Short Variable Payout Contracts.

(m) EXPIRATION VALUE – The Expiration Value is the level of Wall Street 30 as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) DJFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Wall Street 30 Variable Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of DJFC trade prices and the lowest twenty (20) percent of five (5) DJFC trade prices from the data set<sup>100</sup>, and using the remaining fifteen (15) DJFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) DJFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) DJFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Wall Street 30 Variable Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) DJFC trade prices just prior to the close of trading of the Wall Street 30 Variable Contract removing the highest five (5) DJFC trade prices and the lowest five (5) DJFC trade prices, and using the remaining fifteen (15) DJFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) DJFC trade prices, rounded to the precision of the underlying market.

(n) CONTINGENCIES – If no level is actually announced on the Expiration Date due to a delay, postponement or otherwise in such release announcement by the Source agency, the Settlement Date will be delayed until the Underlying number is released for the Series.

#### RULE 12.65 WALL STREET 30 BINARY CONTRACTS

(a) SCOPE – These Rules shall apply to the Class of Contracts referred to as the Wall Street 30 Binary Contracts issued by Nadex.

(b) UNDERLYING – The Underlying for this Class of Contracts is the price of the E-mini Dow® Futures contracts (“DJFC”) traded on the Chicago Board of Trade (CBOT®)<sup>101</sup>. The DJFC trade prices that will be used to calculate the Underlying will be taken from four (4) DJFC delivery months: March, June, September, or December (each a “DJFC Delivery Month”). The date on which a new delivery month will be used as the Underlying for Nadex contracts (i.e. “Start Date”) is one calendar day after the End Date for the previous delivery month contract. The last day on which a

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<sup>100</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

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delivery month will be used as the Underlying for Nadex contracts (i.e. "End Date") is the Friday of the week preceding the Underlying futures contracts Expiration Date. For example, the CME e-mini Dow March 2012 futures have an Expiration Date of March 16, 2012. The last day on which the e-mini Dow March 2012 futures prices will be used as the Underlying for Nadex contracts and to calculate the Expiration Value on the Expiration Date for the relevant e-mini Dow contracts will be the Friday of the preceding week. Therefore, the End Date for using CME e-mini Dow March 2012 futures will be March 9, 2012 and the Start Date for the next delivery month, CME e-mini Dow June 2012 futures, will be March 10, 2012.

(c) SOURCE AGENCY – The Source Agency is Nadex.

(d) TYPE – The Type of Contract is a Binary Contract.

(e) ISSUANCE – For each planned release by the Source Agency of the Underlying, Nadex will issue various Contracts, each of a different Series. A new issuance of Contracts will commence no later than two (2) business days following the Expiration Date.

(f) PAYOUT CRITERION – The Payout Criterion for each Contract will be set by Nadex at the time the Binary Contracts are initially issued. For the Wall Street 30 Binary Contract, the Payout Criteria for the Contracts will be set as follows:

(i) WEEKLY WALL STREET 30 BINARY CONTRACTS

(1) EXPIRATION TIME – 4:15PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 100.

(3) NUMBER OF STRIKE LEVELS LISTED - Thirteen (13) strike levels will be listed for the Weekly Wall Street 30 Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract "W" is valued 'at-the-money' in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest one (1). Six (6) strike levels will be generated above Binary Contract W at an interval of 100, and six (6) strike levels will be generated below Binary Contract W at an interval of 100 (e.g. W – 100; W; W + 100). The Contract will have a Payout Criterion of greater than the strike level value.

(ii) DAILY WALL STREET 30 BINARY CONTRACTS

(1) EXPIRATION TIME – 4:15PM ET CLOSE

20. (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be

(3) NUMBER OF STRIKE LEVELS LISTED - Twenty-one (21) strike levels will be listed for the Daily Wall Street 30 Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “X” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest one (1). Ten (10) strike levels will be generated above Binary Contract X at an interval of 20, and ten (10) strike levels will be generated below Binary Contract X at an interval of 20 (e.g.  $X - 20$ ;  $X$ ;  $X + 20$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iii) INTRADAY WALL STREET 30 2-HOUR BINARY CONTRACTS

(1) EXPIRATION TIME – 10:00AM, 11:00AM, 12:00PM, 1:00PM, 2:00PM, 3:00PM, 4:00PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 12.

(3) NUMBER OF STRIKE LEVELS LISTED - Fifteen (15) strike levels will be listed for each Intraday Wall Street 30 2-Hour Binary Contract Series.

(4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract “Y” is valued ‘at-the-money’ in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest one value ending in 1, 3, 5, 7, or 9 as reported by the Source Agency. Seven (7) strike levels will be generated above Binary Contract Y at an interval of 12, and seven (7) strike levels will be generated below Binary Contract Y at an interval of 12 (e.g.  $Y - 12$ ;  $Y$ ;  $Y + 12$ ). The Contract will have a Payout Criterion of greater than the strike level value.

(iv) INTRADAY WALL STREET 30 20-MINUTE BINARY CONTRACTS

(1) EXPIRATION TIME – 10:00AM, 10:20AM, 10:40AM, 11:00AM, 11:20AM, 2:40PM, 3:00PM, 3:20PM, 3:40PM 4:00PM ET CLOSE

(2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 6.

- (3) NUMBER OF STRIKE LEVELS LISTED - Fifteen (15) strike levels will be listed for each Intraday Wall Street 30 20-Minute Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract "Z" is valued 'at-the-money' in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0, 2, 4, 6, or 8. Seven (7) strike levels will be generated above Binary Contract Z at an interval of 6, and seven (7) strike levels will be generated below Binary Contract Z at an interval of 6 (e.g. Z - 6; Z; Z + 6). The Contract will have a Payout Criterion of greater than the strike level value.

(v) INTRADAY WALL STREET 30 20-MINUTE BINARY CONTRACTS

- (1) EXPIRATION TIME – 11:40AM, 12:00PM, 12:20PM, 12:40PM, 1:00PM, 1:20PM, 1:40PM, 2:00PM, 2:20PM ET CLOSE
- (2) STRIKE INTERVAL WIDTH – The interval width between each strike level shall be 4.
- (3) NUMBER OF STRIKE LEVELS LISTED - Fifteen (15) strike levels will be listed for each Intraday Wall Street 30 20-Minute Binary Contract Series.
- (4) STRIKE LEVELS GENERATED - Strike levels will be generated such that Binary Contract "Z" is valued 'at-the-money' in relation to the Underlying market as determined by the Source Agency, immediately before the issuance of these Contracts, and shall be measured in U.S. cents rounded to the nearest value ending in either 0, 2, 4, 6, or 8. Seven (7) strike levels will be generated above Binary Contract Z at an interval of 4, and seven (7) strike levels will be generated below Binary Contract Z at an interval of 4 (e.g. Z - 4; Z; Z + 4). The Contract will have a Payout Criterion of greater than the strike level value.

(vi) Nadex may list additional Wall Street 30 Binary Contracts with different ranges of Payout Criteria on a discretionary basis in accordance with the CEA and Commission Regulations.

(g) MINIMUM TICK – The Minimum Tick size for the Wall Street 30 Binary Contracts shall be \$0.25.

(h) POSITION LIMIT – The Position Limits for the Wall Street 30 Binary Contracts shall be 2,500 Contracts.

(i) LAST TRADING DATE – The Last Trading Date in a Series is the same date as the Expiration Date.

(j) SETTLEMENT DATE – The Settlement Date in a Series is the same date as the Expiration Date.

(k) EXPIRATION DATE – The Expiration Date of the Contract will be the date on which the Wall Street 30 Expiration Value is released by the Source Agency.

(l) SETTLEMENT VALUE – The Settlement Value is the amount paid to the holder of the in-the-money Contract on the Settlement Date. The Settlement Value of an in-the-money Wall Street 30 Binary Contract is \$100.

(m) EXPIRATION VALUE – The Expiration Value is the level of Wall Street 30 as calculated by the Source Agency on the Expiration Date. The Expiration Value is calculated by the Source Agency by taking all the last twenty-five (25) DJFC trade prices occurring in the ten (10) seconds leading up just prior to the close of trading of the Wall Street 30 Binary Contract, provided at least twenty-five (25) trade prices are captured during the ten (10) second period, and removing the highest five (5) twenty (20) percent of DJFC trade prices and the lowest twenty (20) percent of five (5) DJFC trade prices from the data set<sup>102</sup>, and using the remaining fifteen (15) DJFC trade prices to calculate the Expiration Value. The calculation used is a simple average of the remaining all fifteen (15) DJFC trade prices in the data set, rounded to one decimal point past the precision of the underlying market. In the event the time it takes to collect at least twenty-five (25) DJFC trade prices exceeds the ten (10) seconds just prior to the close of trading of the Wall Street 30 Binary Contract, the Expiration Value is calculated by the Source Agency by taking the last twenty-five (25) DJFC trade prices just prior to the close of trading of the Wall Street 30 Binary Contract removing the highest five (5) DJFC trade prices and the lowest five (5) DJFC trade prices, and using the remaining fifteen (15) DJFC trade prices to calculate the Expiration Value. The calculation used is a simple average of all fifteen (15) DJFC trade prices, rounded to the precision of the underlying market.

(n) CONTINGENCIES – If no daily settlement price of the relevant DJFC is announced by the Source Agency, the Settlement Date will be delayed until such daily settlement price for that Series is released and publicly available.

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<sup>102</sup> If 20% of the data set would result in a non-integer number of trade prices, the number of trade prices to be removed from the set will be rounded down. For example, if the number of trade prices collected during the last 10 seconds prior to the close of trading was 31, 20% of the data set would be 6.2 trade prices. As 6.2 is a non-integer number, the value will be rounded down, and the 6 highest and 6 lowest trade prices will be removed from the data set.

RULE 12.66 – 12.78 [UNCHANGED]

*(End Rulebook)*