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OFFICE OF THE SECRETARIAT

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November 1, 2010

Mr. David Stawick
Office of the Secretariat
Commodity Futures Trading Commission
Three Lafayette Centre
1155 21st Street, N.W.
Washington, DC 20581

RE: New CME Chapters 251B, 251C, 252B, 252C, 253B, 253C,

254B, 254C, 255B, 255C, 261B and 261C

Section 5c(c)(1), Rules 40.2 and 40.6(a) – Exchange Certification and Notification of FX VolContract Futures.

CME Submission No. 10-310

Dear Mr. Stawick:

Chicago Mercantile Exchange Inc. ("CME" or "Exchange") hereby notifies the Commodity Futures Trading Commission ("Commission") of its intention to list a series of CME FX VolContracts<sup>TM</sup> during the First Quarter 2011. CME will notify the Commission in a separate submission of the specific launch date at later time.

The Exchange certifies that this action neither violates nor is inconsistent with any provision of the Commodity Exchange Act or of the rules there under. Members/shareholders will be notified of the information contained herein in CME Group Special Executive Report, S-5452, dated Monday, November 1, 2010.

CME FX VolContracts represent a series of futures contracts that are financially or cash-settled to either a 1- or 3-month historical or "realized" volatility calculated by reference to daily price movements in major CME currency futures. These contracts may be offered under a license agreement to utilize a granted U.S. patent held by Robert P. Krause, Volatility Partners, LLC, and The Volatility Exchange Corporation.

Note that derivatives linked to currency volatility have been available for some time in the over-the-counter (OTC) markets. We intend to list contracts tied to the realized or historic volatility associated with major currencies currently listed on the Exchange in the form of futures and options on futures, specifically, Euros, Japanese yen, British pound, Swiss franc, Canadian dollar and Australian dollar versus the U.S. dollar.

Mr. David Stawick November 1, 2010 Page 3 of 29

There are, of course, a variety of alternate methodologies for designing such contracts. *E.g.*, one may base the contract on a realized (or historical) standard deviation or variance (standard deviation squared). Or, one may utilize an index or amalgamation of implied volatilities derived from observed option premiums. But the realized volatility concept has the advantage of familiarity in the context of FX markets to the extent that derivatives based on realized volatility are frequently transacted in interbank FX markets. We have developed futures based on quarterly and monthly realized historical volatilities of our most popular currency futures contracts.

Appendix 1 to this document contains a summary of the contract terms and conditions while Appendix 2 contains the complete set of Rules. The methodology for determining 1-month and 3-month realized volatility calculations for six FX futures contract currency pairs is contained in both Appendices 1 and 2.

If you require any additional information regarding this action, please do not hesitate to contact John W. Labuszewski at 312-466-7469 or via e-mail at <a href="mailto:jlab@cmegroup.com">jlab@cmegroup.com</a> or me at (312) 338-2483. We would be most appreciative if you could reference our CME Submission No.10-310 in any related correspondence.

Sincerely,

/s/ Lisa Dunsky Director and Associate General Counsel

# **Appendix 1: Summary Contract Specifications**

# 3-Month FX VolContracts<sup>™</sup>

Quarterly Realized Volatility	3-month realized volatility calculated as annualized standard deviation of log
	returns of daily settlement prices as follows.
	$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$
	Where $P_t$ is daily futures settlement price on day t and N is number of business days in 3-month calculation period where period commences on $1^{st}$ business day after $2^{nd}$ Friday immediately preceding $3^{rd}$ Wednesday of $3^{rd}$ calendar month preceding named contract month; and, terminates on $2^{nd}$ Friday preceding $3^{rd}$ Wednesday of contract month. Days where futures settlements are unavailable do not contribute to calculation. Result is multiplied by 100, thus, 20% (0.20) volatility expressed as 20.00; 10% (0.10) volatility expressed as 10.00.
Underlying Price Series	Based on daily futures settlement price for quarterly futures contract including Euro, Japanese yen, British pound, Swiss franc, Canadian dollar and Australian dollar futures.
Contract Size	\$1,000 times 3-Month Realized Volatility. <i>E.g.</i> , volatility moves from 20% to 25%, nominal contract value fluctuates from \$20,000 to \$25,000, or \$5,000.
Tick Size	Minimum price fluctuation or "tick" of 0.01 (=\$10.00 per contract) for outrights; "half-tick" of 0.005 (=\$5.00 per contract) for calendar spreads.
Contract Months	1 <sup>st</sup> 3 contracts in March quarterly cycle of March, June, September and December
Final Settlement	Cash settled to 3-Month Realized Volatility (RV) as calculated above
Last Trading Day	Trading ceases at 2:00 pm (CT) on 2 <sup>nd</sup> Friday immediately preceding 3 <sup>rd</sup> Wednesday of contract month and concurrently with calculation of final CME currency fixing price
Position Accountability	5,000 contracts
Price Limits	None
Trading Hours	Offered only on CME Globex® electronic trading platform on Sundays thru Fridays from 5:00 pm to 4:00 pm next day. On Friday, close at 4:00 pm with reopening Sunday at 5:00 pm.

# **1-Month FX VolContracts**™

	1-month realized volatility calculated as annualized standard deviation of log returns (day-to-day) of daily settlement prices as follows.
Monthly Realized	$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$
Volatility	Where Pt is daily futures settlement price on day t and N is number of business days in 1-month calculation period where period commences on 1st business day after 2nd Friday immediately preceding 3nd Wednesday of 1st calendar month preceding named contract month; and, terminates on 2nd Friday preceding 3nd Wednesday of contract month. Days where futures settlements are unavailable do not contribute to calculation. Result is multiplied by 100,
	thus, 20% (0.20) volatility expressed as 20.00; 10% (0.10) volatility expressed as 10.00.
Underlying Price Series	Based on daily futures settlement price for serial or quarterly futures contract including Euro, Japanese yen, British pound, Swiss franc, Canadian dollar and . Australian dollar futures.
Contract Size	\$1,000 times 1-Month Realized Volatility. <i>E.g.,</i> volatility moves from 20% to 25%, nominal contract value fluctuates from \$20,000 to \$25,000, or \$5,000.
Tick Size	Minimum price fluctuation or "tick" of 0.01 (=\$10.00 per contract) for outrights; "half-tick" of 0.005 (=\$5.00 per contract) for calendar spreads.
Contract Months	1 <sup>st</sup> 3 contracts in consecutive calendar month cycle, e.g., January, February, March, such that 2 serial months (January, February, April, May, July, August, October, November) plus 1 March quarterly cycle month (March, June, September, December) are listed for trading.
Final Settlement	Cash settled to 1-Month Realized Volatility (RV) as calculated above
Last Trading Day	Trading ceases at 2:00 pm (CT) on 2 <sup>nd</sup> Friday immediately preceding 3 <sup>rd</sup> Wednesday of contract month and concurrently with calculation of final CME currency fixing price
Position Accountability	5,000 contracts
Price Limits	None
Trading Hours	Offered only on CME Globex® electronic trading platform on Sundays thru Fridays from 5:00 pm to 4:00 pm next day. On Friday, close at 4:00 pm with reopening Sunday at 5:00 pm.

Mr. David Stawick November 1, 2010 Page 6 of 29

# **Appendix 2: New Rule Chapters**

Chapter 251B 3-Month British Pound/U.S. Dollar (GBP/USD) VolContracts<sup>™</sup> (British Pound 3-Month VolContracts<sup>™</sup> ) <sup>1</sup>

# 251B00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 3-Month British Pound/U.S. Dollar (GBP/USD) VolContracts<sup>TM</sup> (British Pound 3-Month VolContracts). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

251B01. FUTURES CALL

# 251B01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

# 251B01.B. Trading Units

The unit of trading shall be \$1,000.00 times the British Pound 3-Month Reference Value.

#### 251B01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of a British Pound 3-Month Reference Value point, equivalent to \$10.00 per contract (= \$1,000.00 x 0.01).

# 251B01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on British Pound 3-Month VolContracts, this rule is superseded by the option position accountability rule.

#### 251B01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

<sup>&</sup>lt;sup>1</sup> VolContract<sup>™</sup> is a trademark of The Volatility Exchange Corporation; the instruments and trademarks are licensed for use by CME Group.

# Mr. David Stawick November 1, 2010 Page 7 of 29

# 251B01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

#### 251B01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

# 251B02. SETTLEMENT PROCEDURES

#### 251B02.A. Cash Settlement

British Pound 3-Month VolContracts shall be settled in cash to a value of \$1,000 times the British Pound 3-Month Reference Value.

#### 251B02.B. British Pound 3-Month Reference Value Calculation

The British Pound 3-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$$

Where P<sub>t</sub> is the daily settlement price for the CME British Pound/U.S. Dollar (GBP/USD) futures contract in the contract month corresponding to the contract month for the British Pound 3-Month VolContract, on day t. P<sub>t-1</sub> is the daily settlement price for the CME British Pound/U.S. Dollar (GBP/USD) futures contract in the contract month corresponding to the contract month for the British Pound 3-Month VolContract, on the business day immediately prior to day t. N is number of business days in guarterly calculation period.

The quarterly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the third calendar month preceding named contract month. The quarterly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 251B03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. - ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 251B)

Mr. David Stawick November 1, 2010 Page 8 of 29

# Chapter 251C

1-Month British Pound/U.S. Dollar (GBP/USD) VolContracts<sup>TM</sup> (British Pound 1-Month VolContracts<sup>TM</sup>) <sup>2</sup>

# 251C00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 1-Month British Pound/U.S. Dollar (GBP/USD) VolContracts<sup>TM</sup> (British Pound 1-Month VolContract). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

251C01. FUTURES CALL

251C01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

# 251C01.B. Trading Units

The unit of trading shall be \$1,000.00 times the British Pound 1-Month Reference Value.

# 251C01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of a British Pound 1-Month Reference Value point, equivalent to \$10.00 per contract (=  $$1,000.00 \times 0.01$ ).

# 251C01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on British Pound 1-Month VolContracts, this rule is superseded by the option position accountability rule.

# 251C01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

<sup>&</sup>lt;sup>2</sup> VolContract™is a trademark of The Volatility Exchange Corporation; the instruments and trademarks are licensed for use by CME Group.

# Mr. David Stawick November 1, 2010 Page 9 of 29

# 251C01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

#### 251C01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

#### 251C02. SETTLEMENT PROCEDURES

#### 251C02.A. Cash Settlement

British Pound 1-Month VolContracts shall be settled in cash to a value of \$1,000 times the British Pound 1-Month Reference Value.

#### 251C02.B. British Pound 1-Month Reference Value Calculation

The British Pound 1-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$$

Where  $P_t$  is the daily settlement price for the CME British Pound/U.S. Dollar (GBP/USD) futures contract in the contract month corresponding to the contract month for the British Pound 1-Month VolContract, on day t.  $P_{t-1}$  is the daily settlement price for the CME British Pound/U.S. Dollar (GBP/USD) futures contract in the contract month corresponding to the contract month for the British Pound 1-Month VolContract, on the business day immediately prior to day t. N is number of business days in monthly calculation period.

The monthly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the first calendar month preceding named contract month. The monthly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 251C03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. – ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 251C)

Mr. David Stawick November 1, 2010 Page 10 of 29

# Chapter 252B 3-Month Canadian Dollar/U.S. Dollar (CAD/USD) VolContracts<sup>™</sup> (Canadian Dollar 3-Month VolContracts<sup>™</sup>) <sup>3</sup>

# 252B00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 3-Month Canadian Dollar/U.S. Dollar (CAD/USD) VolContracts<sup>TM</sup> (Canadian Dollar 3-Month VolContracts). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

252B01. FUTURES CALL

# 252B01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

# 252B01.B. Trading Units

The unit of trading shall be \$1,000:00 times the Canadian Dollar 3-Month Reference Value.

#### 252B01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of a Canadian Dollar 3-Month Reference Value point, equivalent to 10.00 per contract (=  $1.000.00 \times 0.01$ ).

# 252B01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on Canadian Dollar 3-Month VolContracts, this rule is superseded by the option position accountability rule.

# 252B01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

 $<sup>^3</sup>$  VolContract $^{\text{TM}}$  is a trademark of The Volatility Exchange Corporation; the instruments and trademarks are licensed for use by CME Group.

# Mr. David Stawick November 1, 2010 Page 11 of 29

# 252B01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

# 252B01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

#### 252B02. SETTLEMENT PROCEDURES

#### 252B02.A. Cash Settlement

Canadian Dollar 3-Month VolContracts shall be settled in cash to a value of \$1,000 times the Canadian Dollar 3-Month Reference Value.

# 252B02.B. Canadian Dollar 3-Month Reference Value Calculation

The Canadian Dollar 3-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$$

Where  $P_t$  is the daily settlement price for the CME Canadian Dollar/U.S. Dollar (CAD/USD) futures contract in the contract month corresponding to the contract month for the Canadian Dollar 3-Month VolContract, on day t.  $P_{t-1}$  is the daily settlement price for the CME Canadian Dollar/U.S. Dollar (CAD/USD) futures contract in the contract month corresponding to the contract month for the Canadian Dollar 3-Month VolContract, on the business day immediately prior to day t. N is number of business days in quarterly calculation period.

The quarterly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the third calendar month preceding named contract month. The quarterly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 252B03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. – ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 252B)

Mr. David Stawick November 1, 2010 Page 12 of 29

# Chapter 252C 1-Month Canadian Dollar/U.S. Dollar (CAD/USD) VolContracts<sup>™</sup> (Canadian Dollar 1-Month VolContract<sup>™</sup>) <sup>4</sup>

# 252C00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 1-Month Canadian Dollar/U.S. Dollar (CAD/USD) VolContracts<sup>TM</sup> (Canadian Dollar 1-Month VolContracts). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

252C01. FUTURES CALL

# 252C01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

# 252C01.B. Trading Units

The unit of trading shall be \$1,000.00 times the Canadian Dollar 1-Month Reference Value.

#### 252C01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of a Canadian Dollar 1-Month Reference Value point, equivalent to \$10.00 per contract (= \$1,000.00 x 0.01).

# 252C01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on Canadian Dollar 1-Month VolContracts, this rule is superseded by the option position accountability rule.

# 252C01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

<sup>&</sup>lt;sup>4</sup> VolContract<sup>™</sup>is a trademark of The Volatility Exchange Corporation; the instruments and trademarks are licensed for use by CME Group.

Mr. David Stawick November 1, 2010 Page 13 of 29

# 252C01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

#### 252C01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

#### 252C02. SETTLEMENT PROCEDURES

#### 252C02.A. Cash Settlement

Canadian Dollar 1-Month VolContracts shall be settled in cash to a value of \$1,000 times the Canadian Dollar 1-Month Reference Value.

# 252C02.B. Canadian Dollar 1-Month Reference Value Calculation

The Canadian Dollar 1-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$$

Where  $P_t$  is the daily settlement price for the CME Canadian Dollar/U.S. Dollar (CAD/USD) futures contract in the contract month corresponding to the contract month for the Canadian Dollar 1-Month VolContract, on day t.  $P_{t-1}$  is the daily settlement price for the CME Canadian Dollar/U.S. Dollar (CAD/USD) futures contract in the contract month corresponding to the contract month for the Canadian Dollar 1-Month VolContract, on the business day immediately prior to day t. N is number of business days in monthly calculation period.

The monthly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the first calendar month preceding named contract month. The monthly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 252C03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. – ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 252C)

Mr. David Stawick November 1, 2010 Page 14 of 29

# Chapter 253B 3-Month Japanese Yen/U.S. Dollar (JPY/USD) VolContracts<sup>™</sup> (Japanese Yen 3-Month VolContracts<sup>™</sup> ) <sup>5</sup>

# 253B00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 3-Month Japanese Yen/U.S. Dollar (JPY/USD) VolContracts<sup>TM</sup> (Japanese Yen 3-Month VolContracts). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

253B01. FUTURES CALL

# 253B01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

# 253B01.B. Trading Units

The unit of trading shall be \$1,000.00 times the Japanese Yen 3-Month Reference Value.

#### 253B01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of a Japanese Yen 3-Month Reference Value point, equivalent to \$10.00 per contract (= \$1,000.00 x 0.01).

# 253B01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on Japanese Yen 3-Month VolContracts, this rule is superseded by the option position accountability rule.

#### 253B01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

<sup>&</sup>lt;sup>5</sup> VolContract<sup>™</sup> is a trademark of The Volatility Exchange Corporation; the instruments and trademarks are licensed for use by CME Group.

Mr. David Stawick November 1, 2010 Page 15 of 29

# 253B01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

# 253B01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

# 253B02. SETTLEMENT PROCEDURES

# 253B02.A. Cash Settlement

Japanese Yen 3-Month VolContracts shall be settled in cash to a value of \$1,000 times the Japanese Yen 3-Month Reference Value.

# 253B02.B. Japanese Yen 3-Month Reference Value Calculation

The Japanese Yen 3-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$$

Where  $P_t$  is the daily settlement price for the CME Japanese Yen/U.S. Dollar (JPY/USD) futures contract in the contract month corresponding to the contract month for the Japanese Yen 3-Month VolContract, on day t.  $P_{t-1}$  is the daily settlement price for the CME Japanese Yen/U.S. Dollar (JPY/USD) futures contract in the contract month corresponding to the contract month for the Japanese Yen 3-Month VolContract, on the business day immediately prior to day t. N is number of business days in quarterly calculation period.

The quarterly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the third calendar month preceding named contract month. The quarterly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 253B03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. – ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 253B)

Mr. David Stawick November 1, 2010 Page 16 of 29

# Chapter 253C 1-Month Japanese Yen/U.S. Dollar (JPY/USD) VolContracts<sup>™</sup> (Japanese Yen 1-Month VolContracts<sup>™</sup>) <sup>6</sup>

# 253C00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 1-Month Japanese Yen/U.S. Dollar (JPY/USD) VolContracts<sup>TM</sup> (Japanese Yen 1-Month VolContracts). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

253C01. FUTURES CALL

# 253C01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

# 253C01.B. Trading Units

The unit of trading shall be \$1,000.00 times the Japanese Yen 1-Month Reference Value.

# 253C01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of a Japanese Yen 1-Month Reference Value point, equivalent to \$10.00 per contract (= \$1,000.00 x 0.01).

# 253C01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on Japanese Yen 1-Month VolContracts, this rule is superseded by the option position accountability rule.

#### 253C01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

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# Mr. David Stawick November 1, 2010 Page 17 of 29

# 253C01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

# 253C01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

# 253C02. SETTLEMENT PROCEDURES

# 253C02.A. Cash Settlement

Japanese Yen 1-Month VolContracts shall be settled in cash to a value of \$1,000 times the Japanese Yen 1-Month Reference Value.

# 253C02.B. Japanese Yen 1-Month Reference Value Calculation

The Japanese Yen 1-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$$

Where  $P_t$  is the daily settlement price for the CME Japanese Yen/U.S. Dollar (JPY/USD) futures contract in the contract month corresponding to the contract month for the Japanese Yen 1-Month VolContract, on day t.  $P_{t-1}$  is the daily settlement price for the CME Japanese Yen/U.S. Dollar (JPY/USD) futures contract in the contract month corresponding to the contract month for the Japanese Yen 1-Month VolContract, on the business day immediately prior to day t. N is number of business days in monthly calculation period.

The monthly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the first calendar month preceding named contract month. The monthly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 253C03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. – ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 253C)

Mr. David Stawick November 1, 2010 Page 18 of 29

# Chapter 254B 3-Month Swiss Franc/U.S. Dollar (CHF/USD) VolContracts<sup>™</sup> (Swiss Franc 3-Month VolContracts<sup>™</sup>)<sup>7</sup>

# 254B00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 3-Month Swiss Franc/U.S. Dollar (CHF/USD) VolContracts<sup>TM</sup> (Swiss Franc 3-Month VolContracts). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

254B01. FUTURES CALL

254B01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

254B01.B. Trading Units

The unit of trading shall be \$1,000.00 times the Swiss Franc 3-Month Reference Value.

254B01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of a Swiss Franc 3-Month Reference Value point, equivalent to \$10.00 per contract (=  $$1,000.00 \times 0.01$ ).

#### 254B01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on Swiss Franc 3-Month VolContracts, this rule is superseded by the option position accountability rule.

# 254B01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

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Mr. David Stawick November 1, 2010 Page 19 of 29

# 254B01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

## 254B01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

# 254B02. SETTLEMENT PROCEDURES

# 254B02.A. Cash Settlement

Swiss Franc 3-Month VolContracts shall be settled in cash to a value of \$1,000 times the Swiss Franc 3-Month Reference Value.

# 254B02.B. Swiss Franc 3-Month Reference Value Calculation

The Swiss Franc 3-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$$

Where  $P_t$  is the daily settlement price for the CME Swiss Franc/U.S. Dollar (CHF/USD) futures contract in the contract month corresponding to the contract month for the Swiss Franc 3-Month VolContract, on day t.  $P_{t-1}$  is the daily settlement price for the CME Swiss Franc/U.S. Dollar (CHF/USD) futures contract in the contract month corresponding to the contract month for the Swiss Franc 3-Month VolContract, on the business day immediately prior to day t. N is number of business days in quarterly calculation period.

The quarterly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the third calendar month preceding named contract month. The quarterly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 254B03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. – ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 254B)

Mr. David Stawick November 1, 2010 Page 20 of 29

# Chapter 254C 1-Month Swiss Franc/U.S. Dollar (CHF/USD) VolContracts<sup>™</sup> (Swiss Franc 1-Month VolContracts<sup>™</sup> ) <sup>8</sup>

# 254C00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 1-Month Swiss Franc/U.S. Dollar (CHF/USD) VolContracts<sup>TM</sup> (Swiss Franc 1-Month VolContract). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

254C01. FUTURES CALL

# 254C01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

# 254C01.B. Trading Units

The unit of trading shall be \$1,000.00 times the Swiss Franc 1-Month Reference Value.

#### 254C01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of a Swiss Franc 1-Month Reference Value point, equivalent to \$10.00 per contract (=  $$1,000.00 \times 0.01$ ).

# 254C01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on Swiss Franc 1-Month VolContracts, this rule is superseded by the option position accountability rule.

#### 254C01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

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Mr. David Stawick November 1, 2010 Page 21 of 29

# 254C01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

# 254C01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

#### 254C02. SETTLEMENT PROCEDURES

#### 254C02.A. Cash Settlement

Swiss Franc 1-Month VolContracts shall be settled in cash to a value of \$1,000 times the Swiss Franc 1-Month Reference Value.

#### 254C02.B. Swiss Franc 1-Month Reference Value Calculation

The Swiss Franc 1-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(\ln \frac{P_t}{P_{t-1}}\right)^2}$$

Where  $P_t$  is the daily settlement price for the CME Swiss Franc/U.S. Dollar (CHF/USD) futures contract in the contract month corresponding to the contract month for the Swiss Franc 1-Month VolContract, on day t.  $P_{t-1}$  is the daily settlement price for the CME Swiss Franc/U.S. Dollar (CHF/USD) futures contract in the contract month corresponding to the contract month for the Swiss Franc 1-Month VolContract, on the business day immediately prior to day t. N is number of business days in monthly calculation period.

The monthly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the first calendar month preceding named contract month. The monthly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 254C03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. – ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 254C)

Mr. David Stawick November 1, 2010 Page 22 of 29

# Chapter 255B 3-Month Australian Dollar/U.S. Dollar (AUD/USD) VolContracts<sup>™</sup> (Australian Dollar 3-Month VolContract<sup>™</sup>) <sup>9</sup>

# 255B00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 3-Month Australian Dollar/U.S. Dollar (AUD/USD) VolContracts<sup>TM</sup> (Australian Dollar 3-Month VolContracts). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

255B01. FUTURES CALL

# 255B01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

# 255B01.B. Trading Units

The unit of trading shall be \$1,000.00 times the Australian Dollar 3-Month Reference Value.

#### 255B01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of a Australian Dollar 3-Month Reference Value point, equivalent to \$10.00 per contract (= \$1,000.00 x 0.01).

# 255B01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on Australian Dollar 3-Month VolContracts, this rule is superseded by the option position accountability rule.

# 255B01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

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Mr. David Stawick November 1, 2010 Page 23 of 29

# 255B01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

# 255B01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

#### 255B02. SETTLEMENT PROCEDURES

#### 255B02.A. Cash Settlement

Australian Dollar 3-Month VolContracts shall be settled in cash to a value of \$1,000 times the Australian Dollar 3-Month Reference Value.

# 255B02.B. Australian Dollar 3-Month Reference Value Calculation

The Australian Dollar 3-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$$

Where  $P_t$  is the daily settlement price for the CME Australian Dollar/U.S. Dollar (AUD/USD) futures contract in the contract month corresponding to the contract month for the Australian Dollar 3-Month VolContract, on day t.  $P_{t-1}$  is the daily settlement price for the CME Australian Dollar/U.S. Dollar (AUD/USD) futures contract in the contract month corresponding to the contract month for the Australian Dollar 3-Month VolContract, on the business day immediately prior to day t. N is number of business days in quarterly calculation period.

The quarterly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the third calendar month preceding named contract month. The quarterly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 255B03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. -- ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 255B)

Mr. David Stawick November 1, 2010 Page 24 of 29

# Chapter 255C 1-Month Australian Dollar/U.S. Dollar (AUD/USD) VolContracts<sup>™</sup> (Australian Dollar 1-Month VolContracts<sup>™</sup>) <sup>10</sup>

# 255C00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 1-Month Australian Dollar/U.S. Dollar (AUD/USD) VolContracts<sup>TM</sup> (Australian Dollar 1-Month VolContracts). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

255C01. FUTURES CALL

# 255C01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

# 255C01.B. Trading Units

The unit of trading shall be \$1,000.00 times the Australian Dollar 1-Month Reference Value.

# 255C01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of an Australian Dollar 1-Month Reference Value point, equivalent to \$10.00 per contract (= \$1,000.00 x 0.01).

#### 255C01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on Australian Dollar 1-Month VolContracts, this rule is superseded by the option position accountability rule.

# 255C01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

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# Mr. David Stawick November 1, 2010 Page 25 of 29

# 255C01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

#### 255C01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

#### 255C02. SETTLEMENT PROCEDURES

# 255C02.A. Cash Settlement

Australian Dollar 1-Month VolContracts shall be settled in cash to a value of \$1,000 times the Australian Dollar 1-Month Reference Value.

# 255C02.B. Australian Dollar 1-Month Reference Value Calculation

The Australian Dollar 1-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$$

Where  $P_t$  is the daily settlement price for the CME Australian Dollar/U.S. Dollar (AUD/USD) futures contract in the contract month corresponding to the contract month for the Australian Dollar 1-Month VolContract, on day t.  $P_{t-1}$  is the daily settlement price for the CME Australian Dollar/U.S. Dollar (AUD/USD) futures contract in the contract month corresponding to the contract month for the Australian Dollar 1-Month VolContract, on the business day immediately prior to day t. N is number of business days in monthly calculation period.

The monthly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the first calendar month preceding named contract month. The monthly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 255C03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. – ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 255C)

Mr. David Stawick November 1, 2010 Page 26 of 29

# Chapter 261B 3-Month Euro/U.S. Dollar (EUR/USD) VolContracts<sup>™</sup> (Euro 3-Month VolContracts<sup>™</sup>) <sup>11</sup>

#### 261B00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 3-Month Euro/U.S. Dollar (EUR/USD) VolContracts<sup>TM</sup> (Euro 3-Month VolContracts). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

261B01. FUTURES CALL

# 261B01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

# 261B01.B. Trading Units

The unit of trading shall be \$1,000.00 times the Euro 3-Month Reference Value.

#### 261B01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of a Euro 3-Month Reference Value point, equivalent to \$10.00 per contract (=  $$1,000.00 \times 0.01$ ).

# 261B01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on Euro 3-Month VolContracts, this rule is superseded by the option position accountability rule.

#### 261B01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

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Mr. David Stawick November 1, 2010 Page 27 of 29

# 261B01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

#### 261B01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

# 261B02. SETTLEMENT PROCEDURES

#### 261B02.A. Cash Settlement

Euro 3-Month VolContracts shall be settled in cash to a value of \$1,000 times the Euro 3-Month Reference Value.

# 261B02.B. Euro 3-Month Reference Value Calculation

The Euro 3-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left(ln \frac{P_t}{P_{t-1}}\right)^2}$$

Where  $P_t$  is the daily settlement price for the CME Euro/U.S. Dollar (EUR/USD) futures contract in the contract month corresponding to the contract month for the Euro 3-Month VolContract, on day t.  $P_{t-1}$  is the daily settlement price for the CME Euro/U.S. Dollar (EUR/USD) futures contract in the contract month corresponding to the contract month for the Euro 3-Month VolContract, on the business day immediately prior to day t. N is number of business days in quarterly calculation period.

The quarterly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the third calendar month preceding named contract month. The quarterly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 261B03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. – ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 261B)

Mr. David Stawick November 1, 2010 Page 28 of 29

# Chapter 261C 1-Month Euro/U.S. Dollar (EUR/USD) VolContracts<sup>™</sup> (Euro 1-Month VolContracts<sup>™</sup>) <sup>12</sup>

#### 261C00. SCOPE OF CHAPTER

This chapter is limited in application to futures trading in 1-Month Euro/U.S. Dollar (EUR/USD) VolContracts<sup>TM</sup> (Euro 1-Month VolContracts). The procedures for trading, clearing, delivery, settlement and any other matters not specifically contained herein shall be governed by the rules of the Exchange.

#### 261C01. FUTURES CALL

# 261C01.A. Trading Schedule

Futures contracts shall be scheduled for trading and delivery during such hours and in such months as may be determined by the Board of Directors.

# 261C01.B. Trading Units

The unit of trading shall be \$1,000.00 times the Euro 1-Month Reference Value.

# 261C01.C. Price Increments

Minimum price fluctuations shall be in multiples of 0.01 of a Euro 1-Month Reference Value point, equivalent to 10.00 per contract (=  $1.000.00 \times 0.01$ ).

# 261C01.D. Position Accountability

A person owning or controlling more than 5,000 contracts net long or net short in all contract months combined shall provide, in a timely fashion, upon request by the Exchange, information regarding the nature of the position, trading strategy, and hedging information if applicable. For positions involving options on Euro 1-Month VolContracts, this rule is superseded by the option position accountability rule.

# 261C01.E. Accumulation of Positions

For the purposes of this rule, the positions of all accounts directly or indirectly owned or controlled by a person or persons, and the positions of all accounts of a person or persons acting pursuant to an expressed or implied agreement or understanding, and the positions of all accounts in which a person or persons have a proprietary or beneficial interest, shall be cumulated.

#### 261C01F. Reserved

# 261C01G. Termination of Trading

Futures trading shall terminate at 2:00 p.m. (Central) on the second Friday immediately preceding the third Wednesday of the contract month. If this date for termination is a bank holiday in Chicago or New York City, then futures trading shall terminate on the next preceding business day common to Chicago and New York City banks and the Exchange.

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Mr. David Stawick November 1, 2010 Page 29 of 29

# 261C01H. Contract Modifications

Specifications shall be fixed as of the first day of trading of a contract, except that all deliveries must conform to government regulations in force at the time of delivery. If any national or international government agency or body issues an order, ruling, directive or law that conflicts with the requirements of these rules, such order, ruling, directive or law shall be construed to take precedence and become part of these rules and all open and new contracts shall be subject to such government orders.

# 261C02. SETTLEMENT PROCEDURES

# 261C02.A. Cash Settlement

Euro 1-Month VolContracts shall be settled in cash to a value of \$1,000 times the Euro 1-Month Reference Value.

# 261C02.B. Euro 1-Month Reference Value Calculation

The Euro 1-Month Reference Value (RV) is calculated as the annualized standard deviation of log returns of daily futures settlement prices as follows.

$$RV = 100 \cdot \sqrt{\left(\frac{252}{N}\right) \sum_{t=1}^{N} \left( \ln \frac{P_t}{P_{t-1}} \right)^2}$$

Where  $P_t$  is the daily settlement price for the CME Euro/U.S. Dollar (EUR/USD) futures contract in the contract month corresponding to the contract month for the Euro 1-Month VolContract, on day t.  $P_{t-1}$  is the daily settlement price for the CME Euro/U.S. Dollar (EUR/USD) futures contract in the contract month corresponding to the contract month for the Euro 1-Month VolContract, on the business day immediately prior to day t. N is number of business days in monthly calculation period.

The monthly calculation period commences on the first business day immediately subsequent to the second Friday immediately preceding the third Wednesday of the first calendar month preceding named contract month. The monthly calculation period concludes on the day on which trading is terminated. Days where futures settlement prices are unavailable do not contribute to calculation.

The result is multiplied by 100. Thus, a value of 20.00% (0.20) is expressed as 20.00; a value of 10.00% (0.10) is expressed as 10.00.

# 261C03. ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES

(Refer to Rule 701. – ACTS OF GOVERNMENT, ACTS OF GOD AND OTHER EMERGENCIES)

(End Chapter 261C)