Regulatory Circular RG03-66

To: Member Organizations

From: Division of Regulatory Services

Date: August 13, 2003

Subject: Margin Requirements for Certain Complex Spreads

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KEY POINTS

- Certain complex option spreads (specified below) are the equivalent of combining two or more spreads that are currently recognized in the margin rules of the Chicago Board Options Exchange (the "Exchange" or "CBOE").
- Because these complex spreads can be shown to equate to aggregations of two or more currently recognized spreads, current margin rules are deemed to provide a margin requirement for each complex spread in that the rules provide a margin requirement for each spread in the equivalent aggregation.
- Member organizations may require margin for these complex spreads of not less than the sum of the margin required on each spread in the equivalent aggregation.
- The margin requirements set forth in this Regulatory Circular will be in effect as a pilot until August 8, 2004.

DISCUSSION

It is known that certain complex spread configurations are the net result of combining two or more spread strategies that are currently recognized in the Exchange's margin rules. Specific complex spread configurations are listed below, along with the currently recognized spreads to which they can be traced. The expiration months, exercise prices, interval between exercise prices, and option premiums used in each configuration are for illustration only. However, as illustrated, the expiration months and sequence of the exercise prices must fit the same pattern, and the intervals between the exercise prices must be equal. Note that netting of contracts in option series common to each of the currently recognized spreads in an aggregation reduces it to the complex spread.

| | | PUTS | | CALLS | | | | | |
|---|----------------|---------------|---------------|---------------------|----------------|-----------------|---------------|---------------|---------------|
| | Feb 45 @ .5 | Feb 50 @ 1 | Feb 55 @ 2 | Feb 45 @ 16.5 | Feb 50 @ 12 | Feb 55 @ 8 | Feb 60 @ 6 | Feb 65 @ 5 | Apr 60 @ 7 |
| Long Butterfly Long Butterfly | | | | | 1 | -2 1 | 1 -2 | 1 | |
| Net - Configuration I | | | | | 1 | -1 | -1 | 1 | |
| Long Butterfly Short Box | | 1 | <u>-1</u> | | 1 -1 | -2 1 | 1 | | |
| Net - Configuration II | | 1 | -1 | | | -1 | 1 | | |
| Long Butterfly Long Butterfly Short Box | | 1 | -1 | | 1 -1 | -2 1 1 | 1 -2 | 1 | |
| Net - Configuration III | | 1 | -1 | | | | -1 | 1 | |
| Long Time Spread Long Butterfly | | | | | 1 | -2 -2 | -1 1 | | 1 |
| Net - Configuration IV | | | | | 1 | -2 | | | 1 |
| Long Time Spread Long Butterfly Long Butterfly | | | | 1 | 1 -2 | -2 1 | -1 1 | | 1 |
| Net - Configuration V | | | | 1 | -1 | -1 | | | 1 |
| Long Time Spread Long Butterfly Short Box | | 1 | -1 | | 1 -1 | -2 1 | -1 1 | | 1 |
| Net - Configuration VI | | 1 | -1 | | | -1 | | | 1 |
| Long Time Spread Long Butterfly Long Butterfly Short Box | 1 | -1 | | 1 -1 | 1 -2 1 | -2 1 | -1 1 | | 1 |
| Net - Configuration VII | 1 | -1 | | | | -1 | | | 1 |

As illustrated above, the complex spread configurations equate to aggregations of currently recognized spreads. Therefore, for complex spreads fitting the above configurations, whether established outright or through netting, member firms must require initial and maintenance margin of not less than the sum of the margin required

on each of the currently recognized spreads in the applicable aggregation subject to the following limitations:

- the complex spread must be carried in a margin account,
- European style options are not permitted for the configurations involving time spreads (IV through VII),
- the intervals between exercise prices must be equal, and
- each complex spread must comprise four option series, except for Configuration IV, which must comprise three option series.

Summing the margin required on each currently recognized spread in each of the applicable aggregations renders a margin requirement for the subject complex spread configurations as follows:

| Configuration | Margin Requirement |
|---------------|--|
| Ī | Pay for the net debit in full |
| | Exercise price interval (aggregate), net credit may be applied |
| III | Exercise price interval (aggregate), net credit may be applied |
| IV | Pay for the net debit in full |
| V | Pay for the net debit in full |
| VI | Exercise price interval (aggregate), net credit may be applied |
| VII | Exercise price interval (aggregate), net credit may be applied |

Using Configuration III as an example, the margin requirement and SMA debit or margin call would be as follows:

| | PUTS | | | CALLS | | | | |
|-------------------------|---------------|---------------|--|----------------|---------------|---------------|---------------|--|
| | Feb 50 @ 1 | Feb 55 @ 2 | | Feb 50 @ 12 | Feb 55 @ 8 | Feb 60 @ 6 | Feb 65 @ 5 | |
| Long Butterfly #1 | | | | 1 | -2 | 1 | | |
| Long Butterfly #2 | | | | | 1 | -2 | 1 | |
| Short Box #1 | 1 | -1 | | -1 | 1 | | | |
| Net - Configuration III | 1 | -1 | | | | -1 | 1 | |

Margin Calculation: $$5.00 \times 1 \text{ contract } \times 100 \text{ shares} = 500.00 Margin Requirement: \$500.00 - \$200.00 = \$300.00

Explanation: The initial and maintenance margin requirement is the exercise price interval (aggregate). Establishing this complex spread results in a net credit of \$200.00 that may be applied to the margin requirement.

As shown in the table below, the same margin requirement, and SMA debit or margin call, would result by taking the sum of the margin required on each spread in the equivalent aggregation.

| | Net dr or cr | Margin Req. | Deposit |
|--|----------------------------------|-----------------|-----------------------|
| Long Butterfly Long Butterfly Short Box #1 | \$200 dr \$100 dr \$500 cr | 0 0 \$500 | \$200 \$100 \$0 |
| Total | \$200 cr | \$500 | \$300 |

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Questions regarding margin requirements should be directed to James Adams at (312) 786–7718 or Richard Lewandowski at (312) 786–7183.