

EXAMPLE

OTC Option on Government of Canada Bonds

Member's inventory is long and client is short 100 calls on Government of Canada bonds with a strike price of 96. Current bond price is 95.18 and the current premium on the option is \$0.89 per bond. Underlying interest is \$100,000 of face value.

(A) Inventory Margin

$$\begin{array}{lcl} 100\% \text{ current option value} & & \\ \$0.89 \times \$1,000 \times 100 \text{ contracts} & = & \underline{\underline{\$ 89,000}} \end{array}$$

The Member must provide inventory margin of \$89,000

(B) Client Margin (other than AI)

$$1. \quad 100\% \text{ of premium} \quad \underline{\underline{\$ 89,000}}$$

$$2. \quad \text{plus: margin rate on underlying security} \\ \quad \quad \quad \times \text{market value of security}$$

$$4\% * \times \$1,000 \times 100 \text{ contracts} \times 95.18 \quad = \quad 380,720$$

*Assumes the underlying bond has a time to maturity of at least 10 years.

$$\begin{array}{lcl} 3. \quad \text{less: any out of the money amount} & & \\ [(95.18 - 96.00) \times (\$1,000 \times 100 \text{ contracts})] & = & \underline{(82,000)} \\ \text{Client required to margin} & & \underline{\underline{\$387,720}} \end{array}$$

(C) Calculation of Minimum Margin

$$100\% \text{ of current premium} \quad \$ 89,000$$

$$\text{plus 25\% of (2) above} \quad \underline{95,180}$$

$$\underline{\underline{\$184,180}}$$