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Dear Mike,
I am following up on my conversation with you of a few weeks ago. Now that we have had several weeks of experience dealing with the new version of Appendix A to Rule 16c3-1, we wanted to clarify that the applicability of the rule to one particular atrategy is not significantly different now than it was before September 1. For the purpose of this letter, the examples given assume the use of the alternative strategy based method. Note, however, that our comments apply to the risk based haircut method since the definition of underbying intrument embodied in subparagraph (a)(4) of Appondix A appears to apply to either method

The problem we are concerned with relates to the term "full amount of conversion loss" as it is used in that subparacraph. There are many instances where an option position is totally or partially hedged even without aimulating a conversion which in the real world would not occur.

For example, a broker-dealer buya a bond at a price of 110. Each bond is convertible at $\$ 10$ par value of the bond per ahare into 100 shares of common stock that has a market price of 5 . In effect, by owning the bond when its value is 110 , the owner can buy atock at a net cast of $\$ 11$ per ahare. Sirnultaneously the broker-dealer sells for $1 / 4$ a call option with an exercise price of 16.

The downside risk of owaing the bond is comprehended by ite normal haircut. By welling the call option, the broker-dealer has mitigated some of the downside exposure in return for which he has forfeited some of the benefit he would derive if the stock were to ever rise beyond 15. The way we see it, the haircut on the call ahould be zero, or $\mathbf{\$ 2 5}$ after considering the addback of its value.

The reason for this is that based upon the current situation, since the conversion value of the bond is 60 , were the underiying stock to ever rise to 15 , the bond would have to be valued at that point in time at at least 160 and would continue to cover the risk in the call beyond that point.

A literal, but I believe inappropriate, reading of the new veraion of Appendix A would cause the reader to calculate a haircut on this hedged bond position which would be much greater than the haircut on the bond standing on its own. The artificial convergion losa of $\$ 600$ would be offeet by the $\$ 25$ premium received for the call, which when added to the $\$ 75$ haincut on the stock position resulting from the conversion would thus yield a haircut of $\$ 060$. Treating the bond and the call option as unhedged positions would result in a bond haircut of $\$ 165$, plus an option haircut of $\$ 250$ less the $\$ 26$ premium. Clearly, both of these
treatments are inappropriate to the point of being punitive for a broker-dealer establiahing a hedge to limit ite riak.

I am confident that you would agree that an appropriate way of evaluating for haircut purposes a call aption that ia hedped by a convertible eecurity is to compare the atrike price of the call to the greater of the conversion price multiplied the price of the convertible issue, or the actual atock price. Thus for a bond trading at 110 that is convertible at $\$ 10$ per share, any call option eold against it would reference the greater of the converted stock price of $\$ 11$, or the actual price of $\$ 5$. To the extent that the call option had a atrike price above \$11, there should be no haircut on the option (except for adding back the time value) aince there la no riak. Thus the combined bond and option position wauld be subject to a capital charge of $16 \%$ of the value of the bond (I assume the bond is not investment grade or sella for 100 or more for this purpose), leas the time value of the call.

To the extent that the atrike price is below $\$ 11$ but above the curfent market price of the underlying atock, the haincut on the combined bond and option position (after adding back the time value) should reflect the conversion loss limited to difference between the converted stock price and the strike price, plus a haircut on the simulated stock position. In the instant aituation, had the call option had a strike price of $\$ 10$, the conversion losa exposure to be taken into account is $\$ 100$ and the haircut on the simulated atock position (the value of the bond net of the conversion loss) should be $16 \%$ of $\$ 1,000$ or $\$ 160$, less the time value of the call.

To the extent that the atrike price is below the current price of the underlying stock, the huircut on the combined bond and option position (after adding back the time value) should reflect the entire converaion loss, plua the normal haircut on the aimulated stock position, less the exceas of the current market value over the exercise value. Assuming a call option with strike of $\$ 4$ and a market price of $\$ 1.60$, the conversion loss of $\$ 600$ would be offeet by the time value of $\$ 50$ and the in the money amount of $\$ 100$ and would be added to a $15 \%$ haircut on $\$ 500$ or $\$ 75$ for a total net capital exposure of $\$ 525$. In this instant case, an astute person might choose to calculate the bond haincut and option haircut as if the positions were unhedged resulting in a lower haircut $\$ 1,100$ @ $15 \%=\$ 266$ for the bond, plus $\$ 250$ minimun on the option less the time value of $\$ 50$ )

I would uppreciate hearing back from you very soon on this isaue which has just now become apparent as a result of applying the revised subparagraph. Please feel free to call me at any time.

Thank yous.


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