

“Do it yourself” diversified income with equity protection - explanation and cost

By Craig Racine, Managing Director and Chief Investment Officer, Gyrostat Capital Management

- Many investors seek income from dividends, but are concerned about capital losses. It is possible to protect your portfolio. This report will show you the current market costs.
- Investors can implement “do it yourself” equity protection for effective risk management. The ASX offers investor education at their web-site.
- We calculate the annualized cost for ‘blue chip’ higher yielding stocks based upon current market conditions, varying the duration of protection and capital at risk. Market conditions are constantly changing.

“As you **approach retirement** it's prudent that you consider reducing your exposure to riskier assets like equities and increase exposure in safer assets like cash/bonds. However with current interest rates and the benefits franking credits provide via shares it is something that is seldom done.

Overweight holdings in shares expose your retirement savings to market corrections, a lesson learned the hard way for many during the GFC.

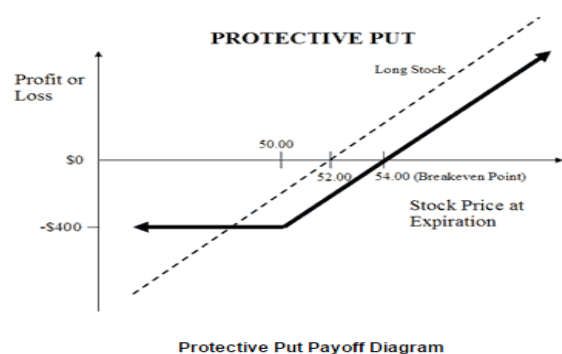
There is a valid alternative that allows you to continue to receive franking credits and benefit from share price appreciation but protects your portfolio from large market corrections.

Purchasing protection from the options market can help”

www.asx.com.au/products/equity-options/eto-for-smsf.htm

The theoretical knowledge on how to “insure” your portfolio has been around since 1973 when Fisher Black and Myron Scholes published a paper, the basis for which a Nobel Prize in Economics was awarded fourteen years later. Their work created one of the most important concepts in modern financial theory, the mathematical model for pricing derivative investment instruments, including options.

A put option gives you the right to sell a stock at a pre-defined price for a pre-defined period of time. You don't have to sell the stock; you can sell the protection back into the market and receive the cash. It is like an insurance policy, but like all insurance it comes at a price.



The level of implied volatility is one of the key determinants of the price of an option. This is the price of risk. At the market level this is reflected by the A-VIX.

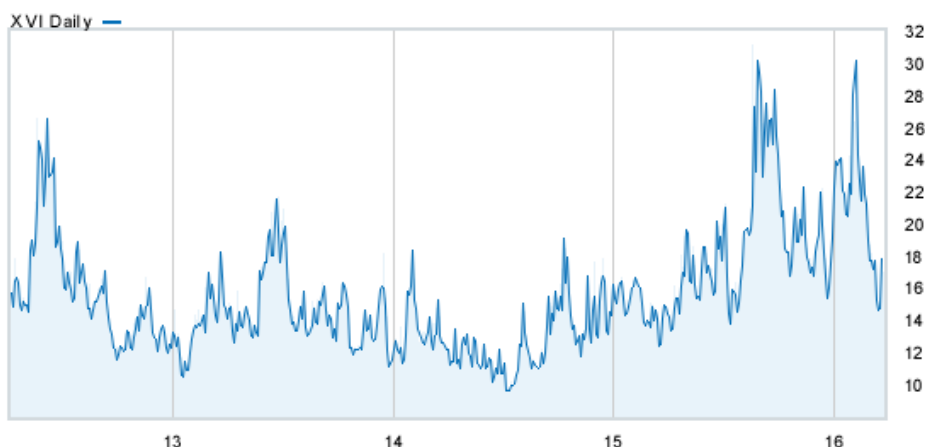
Understanding the A-VIX

The S&P/ASX 200 VIX (A-VIX) is a real-time volatility index that provides investors, financial media, researchers and economists with an insight into investor sentiment and expected levels of market volatility. The index tracks S&P/ASX 200 index option prices as a means of monitoring anticipated levels of near-term volatility in the Australian equity market.

A chart of the A-VIX for 1 year (to show shorter term variations) and 4 years (for historical context) is shown below.

The investor challenge is to ‘convert’ this to an annualized cost.

www.asx.com.au/products/sp-asx200-vix-index.htm



We have obtained live market prices with strike prices closest to 0%, 5% and 10% capital at risk. The analysis is based upon the cost after the receipt of dividends. We have calculated the level of implied volatility and then extrapolated the option price to enable a comparison across the stocks and the index. These have been converted to an annualized cost based on holding the option position to expiry.

As of business **Thursday 31st March 2016** the current market conditions are:

Capital at risk		Annualised Cost for 1 Month	Annualised Cost for 3 Months	Annualised Cost for 6 Months	Annualised Cost for 12 Months
XJO	0%	-21%	-14%	-11%	-7%
	5%	-4%	-7%	-7%	-6%
	10%	-1%	-4%	-4%	-4%
AMC	0%	-24%	-14%	-10%	-7%
	5%	-7%	-6%	-6%	-5%
	10%	-3%	-4%	-4%	-4%
ANZ	0%	-45%	-22%	-13%	-8%
	5%	-18%	-16%	-10%	-7%
	10%	-10%	-9%	-7%	-6%
BHP	0%	-46%	-29%	-19%	-12%
	5%	-34%	-22%	-15%	-10%
	10%	-16%	-15%	-13%	-8%
CBA	0%	-25%	-16%	-11%	-7%
	5%	-12%	-10%	-8%	-5%
	10%	-4%	-6%	-5%	-5%
LLC	0%	-26%	-17%	-12%	-8%
	5%	-13%	-11%	-9%	-6%
	10%	-5%	-6%	-6%	-5%
MQG	0%	-34%	-21%	-13%	-9%
	5%	-16%	-15%	-9%	-7%
	10%	-8%	-9%	-7%	-6%
NAB	0%	-29%	-19%	-11%	-7%
	5%	-17%	-12%	-9%	-6%
	10%	-8%	-8%	-6%	-5%
RIO	0%	-46%	-24%	-14%	-9%
	5%	-26%	-18%	-11%	-8%
	10%	-12%	-11%	-9%	-6%
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	5%	-5%	-5%	-5%	-4%
	10%	-2%	-2%	-3%	-2%
WBC	0%	-29%	-18%	-12%	-8%
	5%	-17%	-12%	-9%	-6%
	10%	-8%	-7%	-6%	-5%
WES	0%	-21%	-14%	-10%	-7%
	5%	-7%	-7%	-7%	-5%
	10%	-3%	-4%	-4%	-4%
WFD	0%	-26%	-15%	-10%	-6%
	5%	-7%	-8%	-6%	-4%
	10%	-3%	-4%	-4%	-3%
WOW	0%	-27%	-17%	-11%	-7%
	5%	-11%	-10%	-8%	-6%
	10%	-4%	-6%	-5%	-4%

Protection always in place at an acceptable price

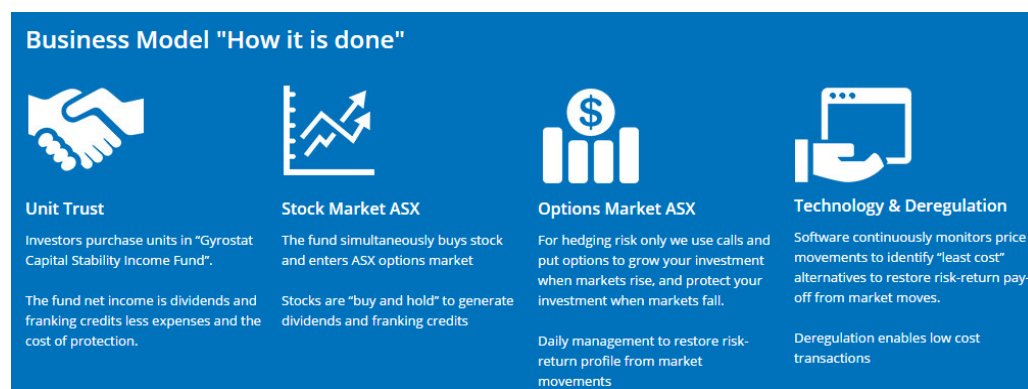
The historical issue that always protecting your portfolio is expensive is addressed through the management of ASX options, made possible through advances in technology and deregulation.

Management of the ASX options is the key to lowering its cost. In particular:

- There are differing levels of 'implied volatility' in the option market from differing maturities, or within the same maturity across a different range of strike prices. This has been observed by academics and market participants for many decades. Technology and software enables these to be identified in 'real time'.
- To further lower the cost of protection, you can receive premiums in return for limiting some of the upside. This is achieved by selling call options. Again, there are many series to choose from.
- With market movements, the "options" component can be actively managed. The trading reduces the cost. By actively managing, on market rises - locking in the gains with more protection; on market falls - sell some protection which is no longer required. Sophisticated software allows instant monitoring of a large number of price movements simultaneously.
- Transaction costs have fallen with deregulation. Deregulation allows funds managers and individuals to execute transactions at a low cost without the requirement to use a full service broker.

This is the approach taken by Gyrostat Capital Management. Gyrostat buys and holds blue-chip high yielding stocks and generates income from dividends and franking credits. The stocks are never sold – they are held for yield. We then use stock and index options publicly traded on ASX to hedge the risk of losing capital if the stock prices drop. The option positions are actively managed to restore the risk-return profile from market moves.

Gyrostat's key competitive advantage is the ability to have cost effective downside protection in place at all times, at a stock specific level.



We participate in the upside if markets rise, and protect the downside when markets fall.

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