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SECURITIES LITIGATION & CONSULTING GROUP

Report Prepared On: 11/19/14

Structured Product Details

Name	Trigger Phoenix Autocallable Securities linked to Whole Foods Market, Inc.
Issue Size	$100,000
Issue Price	$10
Term	12 Months
Annualized Coupon	8.56%
Pricing Date	July 11, 2014
Issue Date	July 16, 2014
Valuation Date	July 13, 2015
Maturity Date	July 20, 2015
Issuer	UBS
CDS Rate	14.79 bps
Swap Rate	0.55%
Reference Asset	Whole Foods Market, Inc.'s stock
Initial Level	$37.60
Dividend Rate	1.22%
Implied Volatility	28.71%
Fair Price at Issue	$9.64
CUSIP	90272N598
SEC Link	www.sec.gov/Archives/edgar/data/1114446/000111444614003148/stp1718897f_1fwp.htm

Trigger Phoenix Autocallable Securities linked to Whole Foods Market, Inc.

Description

UBS issued $100,000 of Trigger Phoenix Autocallable Securities linked to Whole Foods Market, Inc. on July 16, 2014 at $10 per note.

These 12-month notes are UBS-branded reverse convertible notes. On the quarterly coupon observation date, if the notes are not called back, they pay either quarterly coupon at an annualized rate of 8.56% if Whole Foods Market, Inc.'s stock price closes above the coupon barrier $30.08, or no coupon if the stock price closes below the barrier. The first coupon observation date is October 13, 2014. This autocallable notes will be called back if the reference stock price on any quarterly call observation date after October 13, 2014 exceeds the initial stock price $37.60. In this case, investors receive the principal plus any unpaid coupons. At maturity, the notes convert into shares of the reference security—0.27 share of Whole Foods Market, Inc.'s stock in this case—if the market value of the reference stock at the note's maturity is below the trigger price $30.08 (80% of the reference asset on July 11, 2014). Otherwise, investors will receive the $10 face value.

Valuation

This note can be viewed as a combination of a zero-coupon note from UBS, a series of contingent coupon payments, and a short put option on the reference asset. For reasonable valuation inputs this note was worth $9.64 per $10 face value when it was issued on July 16, 2014, including $9.96 for the present value of the zero-coupon note, ($0.68) for the short put options, and $0.36 for the present value of all future contingent coupon payments.

There is no active secondary market for most structured products. Structured products, including this note, therefore are much less liquid than simple stocks, bonds, notes and mutual funds. Investors are likely to receive less than the structured product's estimated market value if they try to sell the structured product prior to maturity. Our valuations do not incorporate this relative lack of liquidity and therefore should be considered an upper bound on the value of the structured product.

Payoff Curve at Maturity
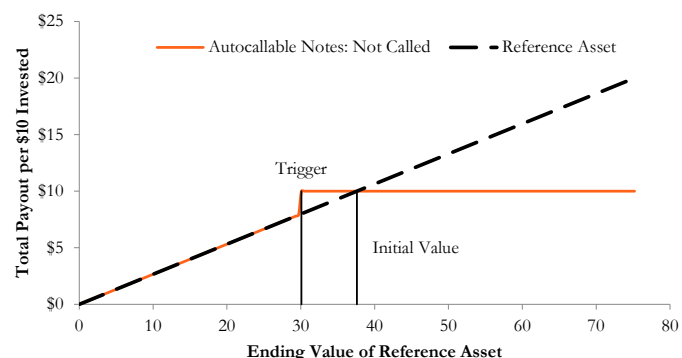
The payoff diagram shows the final payoff of this note given Whole Foods Market, Inc.'s stock price (horizontal axis). For comparison, the dashed line shows the payoff if you invested in Whole Foods Market, Inc.'s stock directly.

Related Research

Research Papers:

www.slcg.com/research.php

- *"Are Structured Products Suitable for Retail Investors?"* December 2006.
- *"Structured Products in the Aftermath of Lehman Brothers,"* November 2009.
- *"What TiVo and JP Morgan Teach Us about Reverse Convertibles,"* June 2010.

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Principal Payback Table

Whole Foods Market, Inc.'s Stock	Note Payoff
$0.00	$0.00
$3.76	$1.00
$7.52	$2.00
$11.28	$3.00
$15.04	$4.00
$18.80	$5.00
$22.56	$6.00
$26.32	$7.00
$30.08	$10.00
$33.84	$10.00
$37.60	**$10.00**
$41.36	$10.00
$45.12	$10.00
$48.88	$10.00
$52.64	$10.00
$56.40	$10.00

Maturity Payoff Diagram
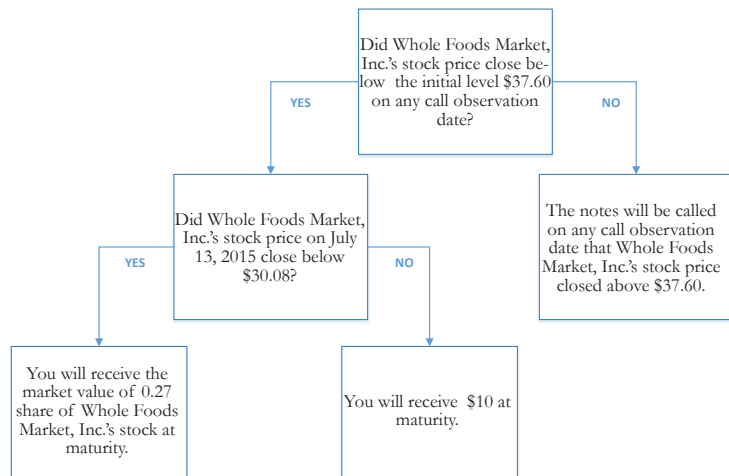
The contingent payoffs of this Trigger Phoenix Autocallable Security.

Analysis

The 8.56% coupon rate on this Trigger Phoenix Autocallable Security is higher than those paid by UBS on its straight debts but, in addition to UBS's credit risk, investors bear the risk that, 1) the note may be called; 2) the note may pay zero coupon because of the coupon contingency; 3) and the note will be converted into shares of Whole Foods Market, Inc.'s stock when Whole Foods Market, Inc.'s stock is worth substantially less than the face value of the note.

Investors purchasing these autocallable phoenix notes effectively sell contingent put options to UBS and post the note's issue price as collateral to secure satisfaction of the investors' obligations under the option contracts. UBS pays investors a contingent coupon that is part payment for the put options and part interest on the investors' posted collateral. This Trigger Phoenix Autocallable Security is fairly priced if and only if the difference between the contingent coupon and interest paid on UBS's straight debt equals the value of the contingent put options investors are giving to UBS. Whether this Trigger Phoenix Autocallable Security is suitable or not is identically equivalent to whether selling put options on the reference stock at the option premium being paid by UBS was suitable for the investor.
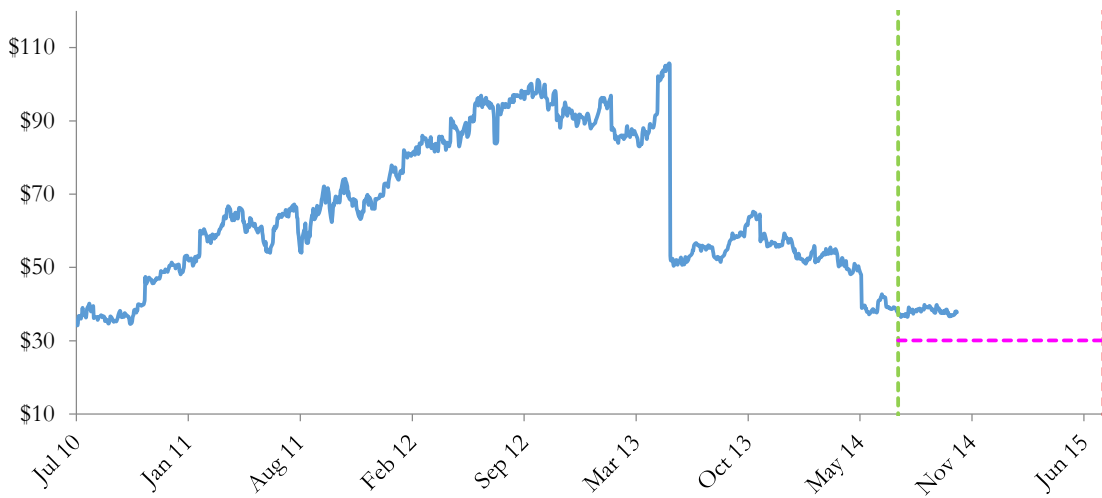
UBS's Stock Price

The graph above shows the adjusted closing price of the issuer UBS for the past several years. The stock price of the issuer is an indication of the financial strength of UBS. The adjusted price shown above incorporates any stock split, reverse stock split, etc.

UBS's CDS Rate

Credit default swap (CDS) rates are the market price that investors require to bear credit risk of an issuer such as UBS. CDS rates are usually given in basis points (bps). One basis point equals 0.01%. Higher CDS rates reflect higher perceived credit risk, higher required yields, and therefore lower market value of UBS's debt, including outstanding Trigger Phoenix Autocallable Security. Fluctuations in UBS's CDS rate impact the market value of the notes in the secondary market.

Whole Foods Market, Inc.'s Stock Price

The graph above shows the historical levels of Whole Foods Market, Inc.'s stock for the past several years. The final payoff of this note is determined by Whole Foods Market, Inc.'s stock price at maturity. Higher fluctuations in Whole Foods Market, Inc.'s stock price correspond to a greater uncertainty in the final payout of this Trigger Phoenix Autocallable Security.

Realized Payoff

This product will mature on July 20, 2015.

Reference Asset Whole Foods Market, Inc.'s Stock's Implied Volatility

The annualized implied volatility of Whole Foods Market, Inc.'s stock on July 11, 2014 was 28.71%, meaning that options contracts on Whole Foods Market, Inc.'s stock were trading at prices that reflect an expected annual volatility of 28.71%. The higher the implied volatility, the larger the expected fluctuations of Whole Foods Market, Inc.'s stock price and of the Note's market value during the life of the Notes.

Decomposition of this Trigger Phoenix Autocallable Security
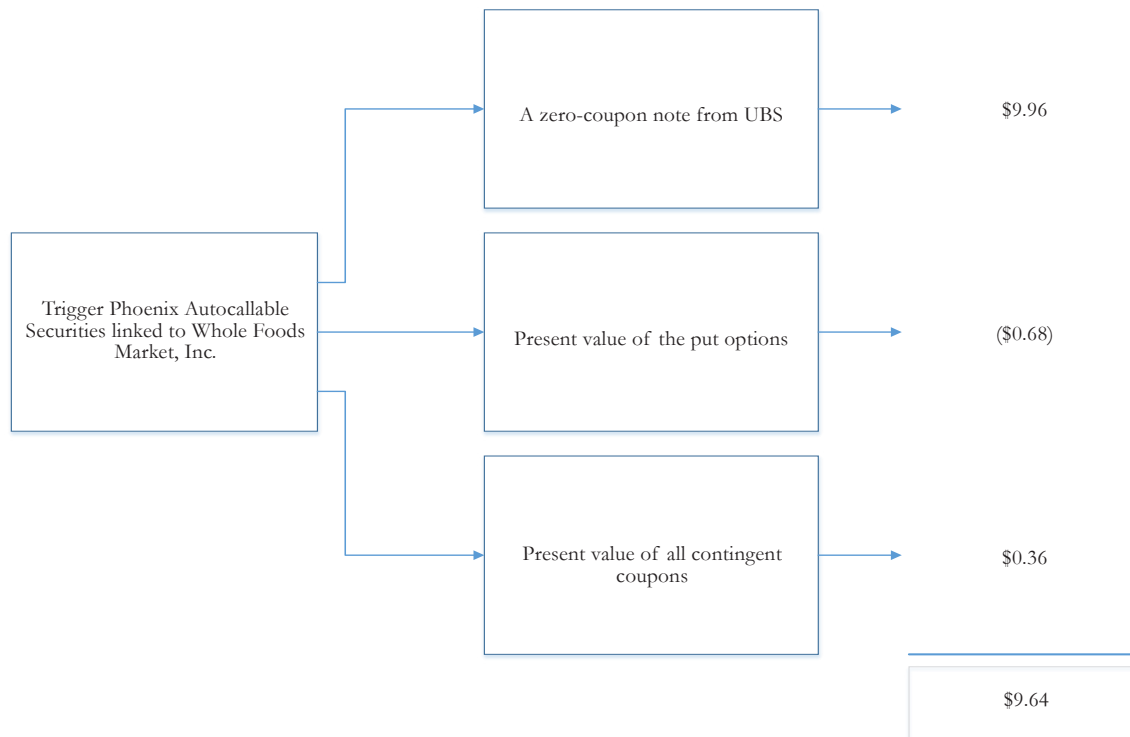
This note can be decomposed into different components, and each component can be valued separately. The chart above shows the value of each component of this Trigger Phoenix Autocallable Security.

1. Delta measures the sensitivity of the price of the note to the Whole Foods Market, Inc.'s stock price on July 11, 2014.
2. CDS rates can be considered a measure of the probability that an issuer will default over a certain period of time and the likely loss given a default. The lower the CDS rate, the lower the default probability. CDS rate is given in basis points (1 basis point equals 0.01%), and is considered as a market premium, on top of the risk-free rate, that investors require to insure against a potential default.
3. Fair price evaluation is based on the Black-Scholes model of the Whole Foods Market, Inc.'s stock on July 11, 2014.
4. Calculated payout at maturity is only an approximation, and may differ from actual payouts at maturity.
5. Our evaluation does not include any transaction fees, broker commissions, or liquidity discounts on the notes.