

Subject: RE: One idea for diverging policies - calls on global dispersion [C]
From: Paul Morris <[REDACTED]>
Date: Thu, 29 Jan 2015 16:03:05 -0500
To: Daniel Sabba <[REDACTED]>,
Vahe Stepanian <[REDACTED]>

Classification: Confidential

Does he have a view on oil? He usually does, perhaps there is something to structure there

Paul Morris

Managing Director

Deutsche Bank Private Bank

Office: [REDACTED]

Cell: [REDACTED]

From: Daniel Sabba
Sent: Thursday, January 29, 2015 2:54 PM
To: jeffrey E.
Cc: Vahe Stepanian; Richard Kahn; Paul Morris
Subject: One idea for diverging policies - calls on global dispersion [C]

Classification: Confidential

Jeffrey,

As we look at the world, the enormous dispersion of monetary and fiscal policies is obvious. One transaction we have used in the past to articulate this theme, and it trickling down to equity markets, are calls on dispersion. This is an OTC transaction in which a client pays a premium and receives a payout based on the average realized dispersion across global markets. It is a way to be economically short correlation and long volatility across markets, similarly to outperformance index options. I have plotted the historical ly average realized dispersion between S&P500,

EuroStoxx50, Nikkei, EEM and HSCEI to illustrate.

{cid:image001.jpg@01D03BDD.10066490}

Indicative Transaction Terms:

Client buys:	European Call on Dispersion, quanto USD
Dispersion Basket:	SPX, EEM, SX5E, HSCEI, NKY
Expiry:	18 Dec 2015
Strike:	ATMF (11.2%)
Offer:	2.4%

where

$$\text{Final Payout} = \text{Notional} * \max(\text{Average Realized Dispersion} - \text{Strike}, 0)$$

$$\text{Average Realized Dispersion} = \text{Average}(\text{absolute value of Individual Dispersion for each Index } i)$$

$$\text{Individual Dispersion for Index } i = \text{Final Performance for Index } i - \text{Average Performance}$$

$$\text{Average Performance} = \text{average}(\text{Final Performance for each Index } i)$$

$$\text{Final Performance for Index } i = (\text{Final_level}(i) / \text{Initial_level}(i) - 1)$$

Please let us know when would be a good time to connect.

Regards,

Daniel

Daniel Sabba

Key Client Partners

Deutsche Bank Securities Inc.

Tel. [REDACTED]

Mobile [REDACTED]

Email [REDACTED]