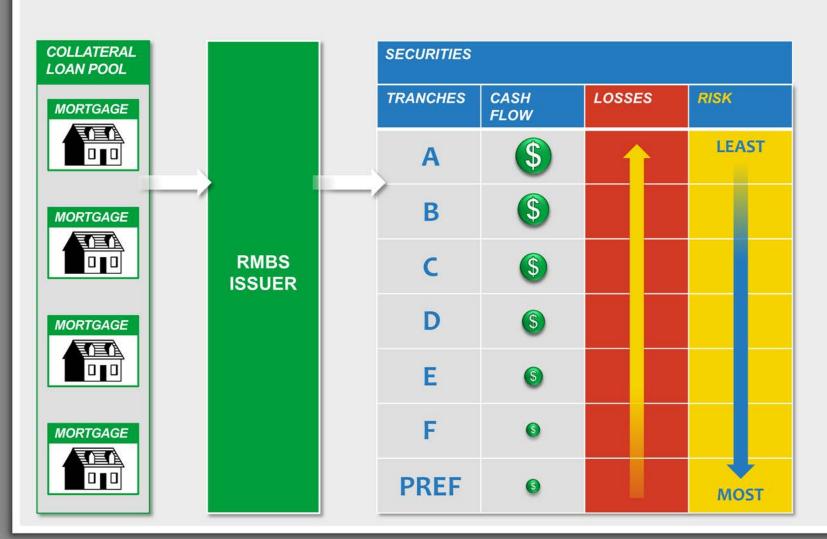
Structure of an RMBS (Residential Mortgage Backed Security)



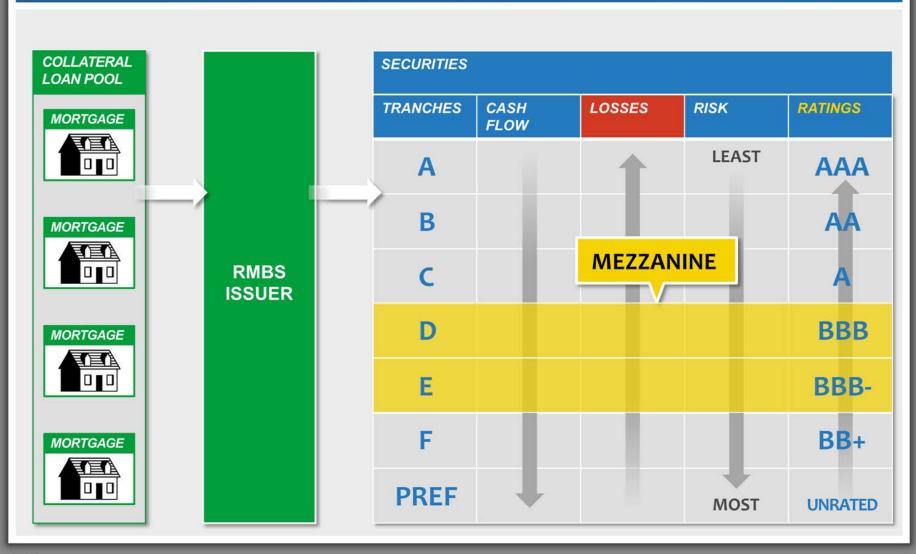
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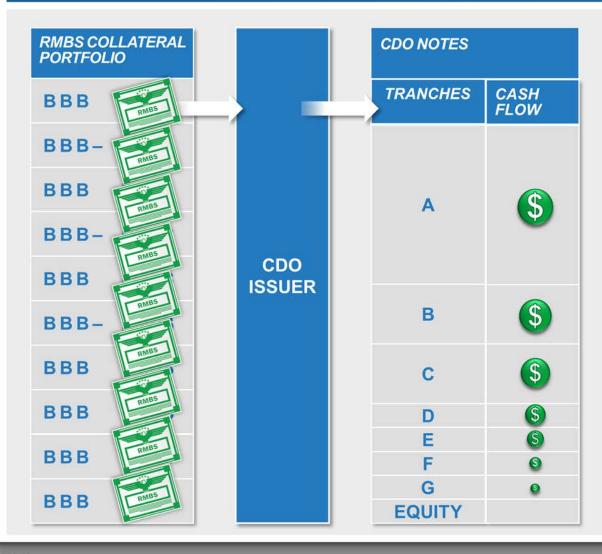


SECURITIES				
TRANCHES	CASH FLOW	LOSSES	RISK	RATINGS
A	\$	<u></u>	LEAST	AAA
В	\$			AA
C	\$			A
D	\$			BBB
E	\$			BBB-
F	(\$)			BB+
PREF	(5)		MOST	UNRATED

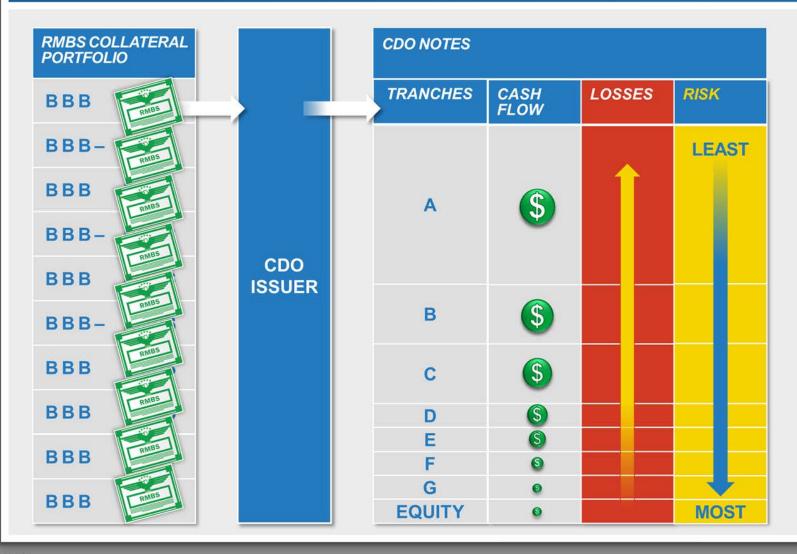
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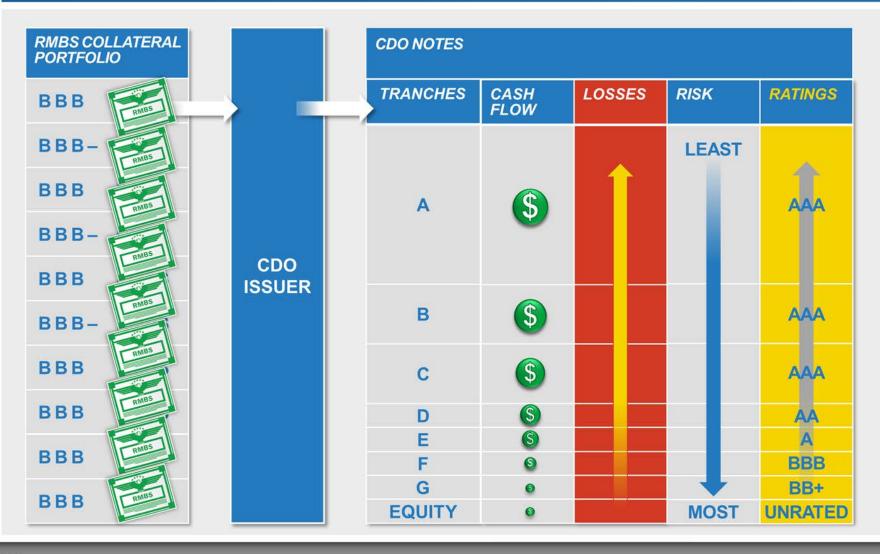
Structure of a Mezzanine CDO



Structure of a Mezzanine CDO

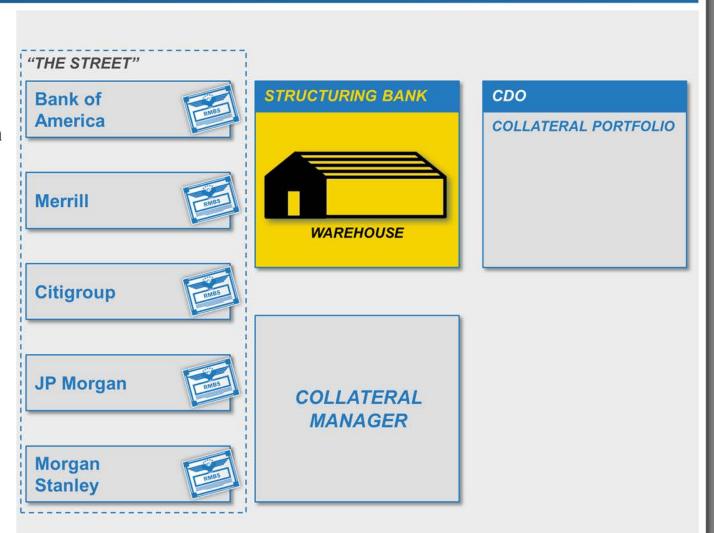


Structure of a Mezzanine CDO



How a Typical Managed Cash CDO Is Built

Structuring Bank (and Collateral Manager in a managed CDO) determine the criteria for CDO collateral.



How a Typical Managed Cash CDO Is Built

In a managed CDO, Collateral Manager goes out to the market to find the best quality assets, at the best price, that meets the collateral eligibility criteria.

The collateral selected during the "ramp-up" period is held in a "warehouse" on the Structuring Bank's balance sheet.









How a Typical Managed Cash CDO Is Built

Once all the collateral is acquired,
Structuring Bank sells the contents of the warehouse to the CDO at closing.

The RMBS certificates become the CDO collateral.







COLLATERAL MANAGER

How a Typical Unmanaged Cash CDO Is Built

In an unmanaged CDO, Structuring Bank goes out to the market to find the best quality assets, at the best price, that meets the collateral eligibility criteria.

The collateral selected during the "ramp-up" period is held in a "warehouse" on the Structuring Bank's balance sheet.







How a Typical Unmanaged Cash CDO Is Built

Once all the collateral is acquired,
Structuring Bank sells the contents of the warehouse to the CDO at closing.

The RMBS certificates become the CDO collateral.







The collateral portfolio supporting a synthetic CDO is comprised of Credit Default Swaps (CDS).



"THE STREET"

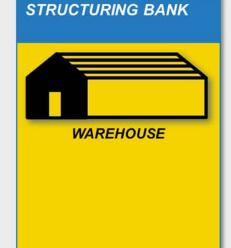
Bank of America

Merrill

JP Morgan

Citigroup

Morgan Stanley



COLLATERAL PORTFOLIO

CDO

In an unmanaged, synthetic CDO, the Structuring Bank analyzes the Reference RMBS to see if it wants to include a particular asset in the portfolio.



"THE STREET"

Bank of America

Merrill

JP Morgan

Citigroup

Morgan Stanley



COLLATERAL PORTFOLIO

The Structuring Bank goes out to the market ("The Street") to sell credit protection on the Reference RMBS at the best possible price to a willing

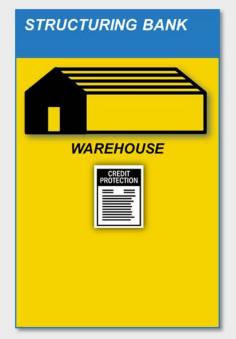
Once entered into, the CDS is placed into the warehouse for the CDO.

counterparty.



"THE STREET"







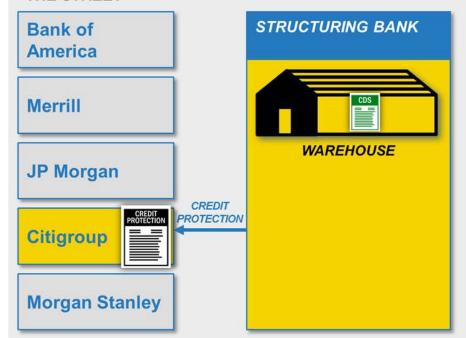
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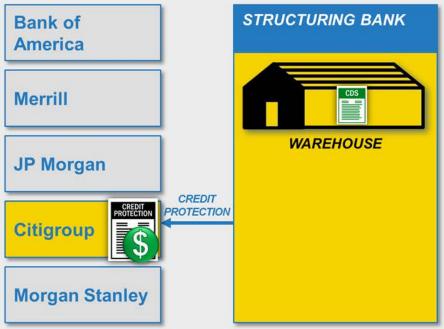
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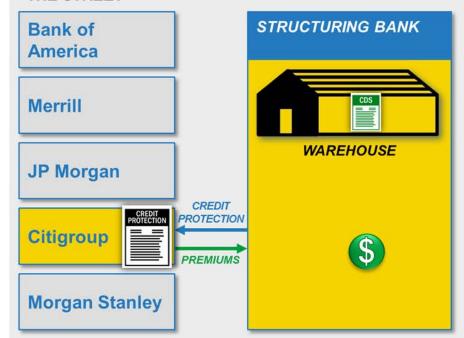
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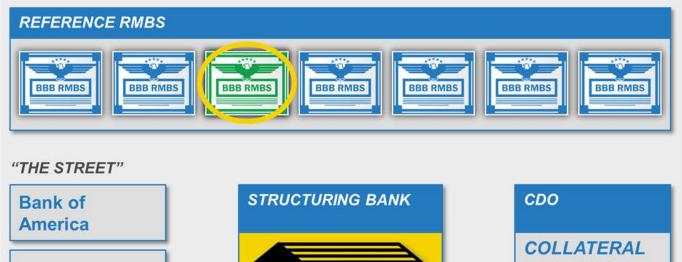
"THE STREET"

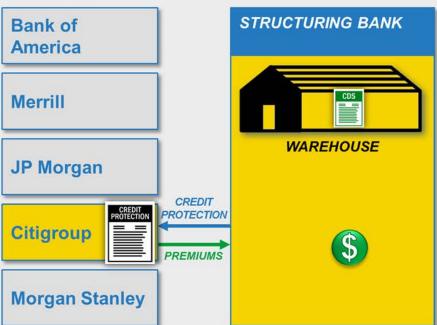


COLLATERAL PORTFOLIO

The Structuring Bank cannot simply transfer the CDS to the CDO (because it is a contract).

Instead, the
Structuring Bank buys
credit protection
from the CDO on the
same Reference RMBS
on which it sold
credit protection
to the Street.

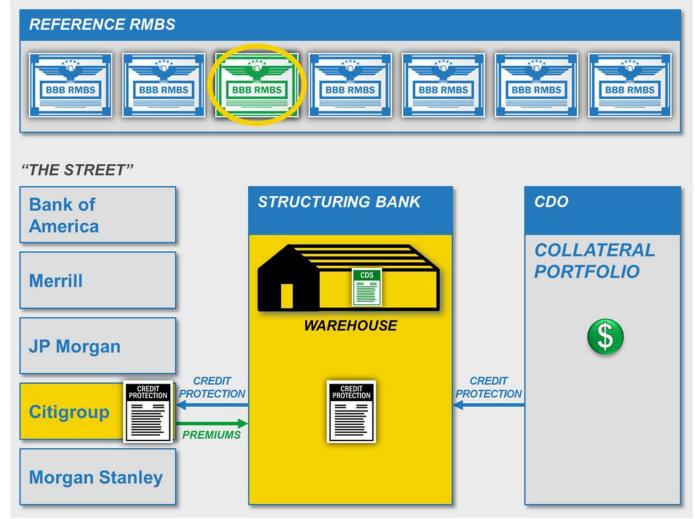






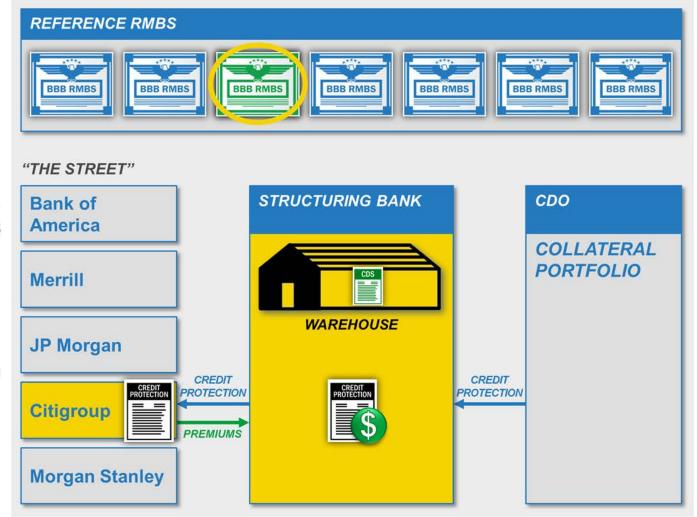
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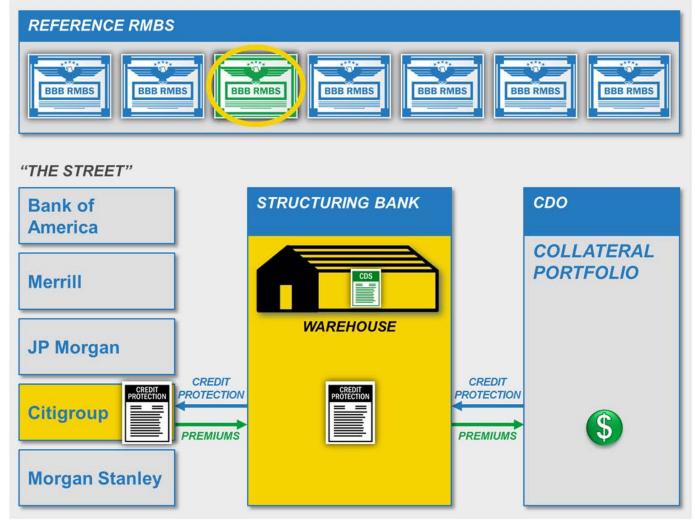
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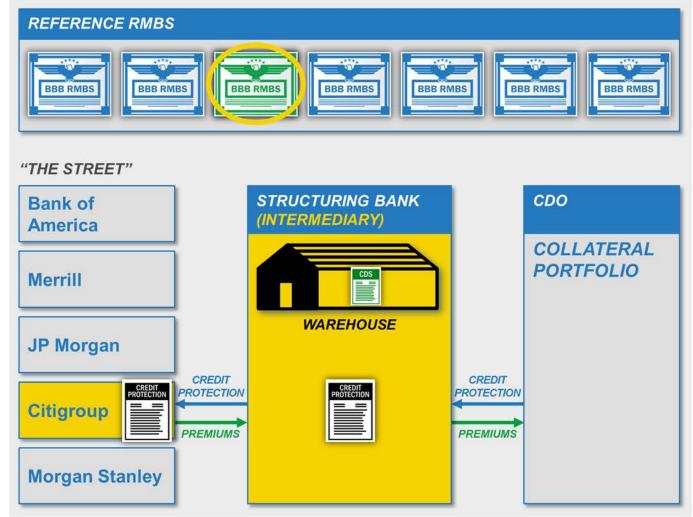
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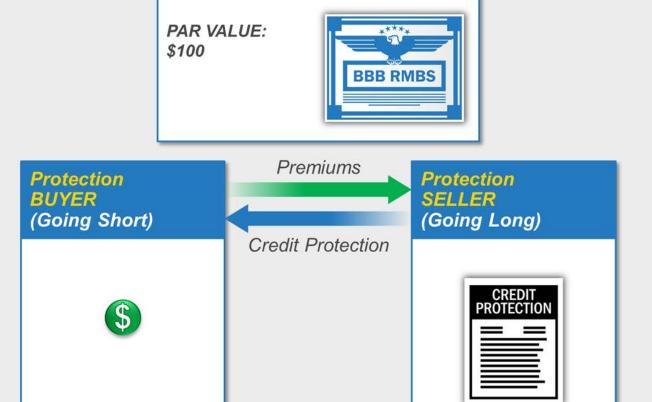
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A CDS is like the purchase (or sale) of financial insurance on the creditworthiness of the Reference RMBS.

Protection Buyer does not actually own the Reference RMBS.

Protection Seller takes on the credit risk of an asset in exchange for the payment of a premium by the Protection Buyer.



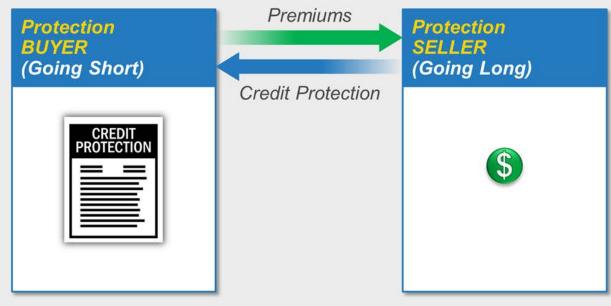
REFERENCE RMBS

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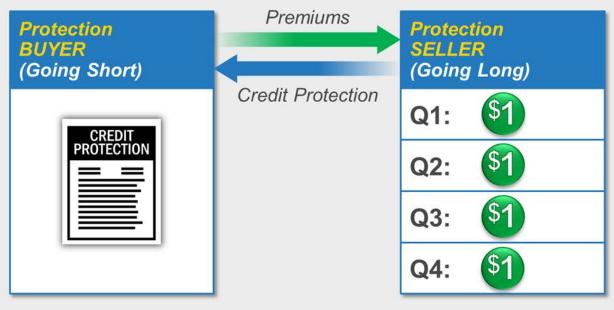




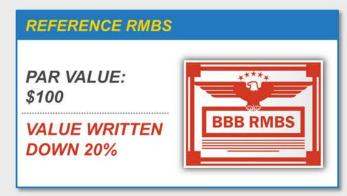
The value of the CDS is dependent on the performance of the Reference RMBS.

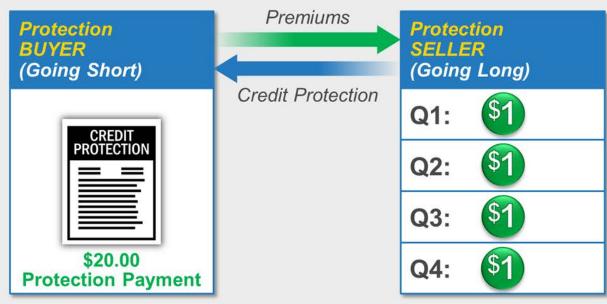
As long as the
Reference RMBS
performs well, the
Protection Seller
will receive regular,
fixed premium
payments from the
Protection Buyer that
approximate the
interest payments
it would have received
if he actually owned
the RMBS.





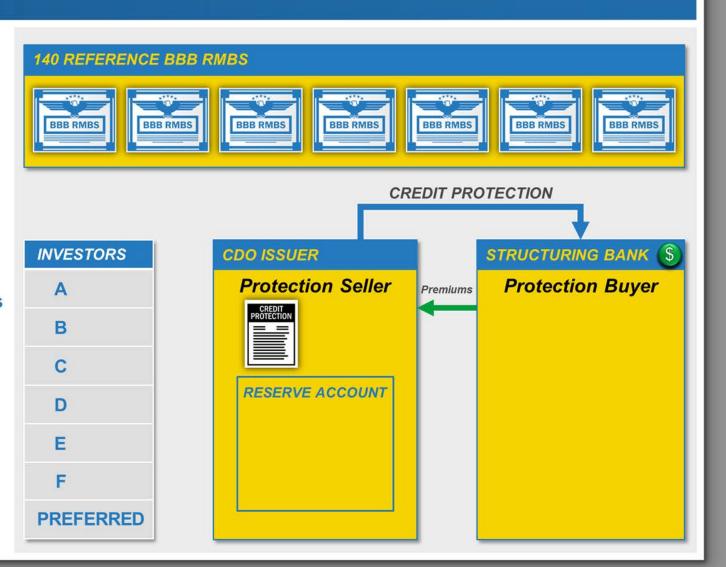
If the Reference
RMBS performs
poorly enough to
trigger certain
specified events,
the Protection Seller
will be required to
make a protection
payment to the
Protection Buyer
that approximates
the decline
in value of the
Reference RMBS.





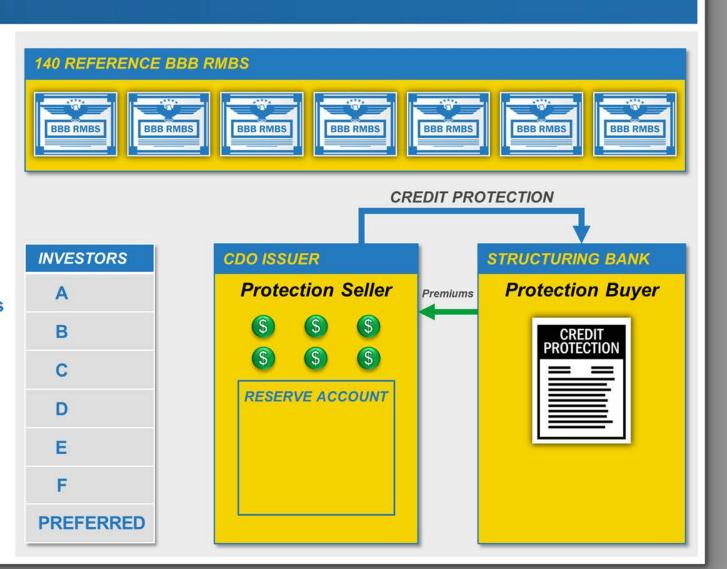
CDO Issuer
(Protection Seller)
sells credit
protection on the
Reference RMBS
portfolio to
Structuring Bank
(Protection Buyer).

Structuring Bank makes periodic premium payments to CDO Issuer that approximate interest payments CDO would earn if it actually owned the RMBS.



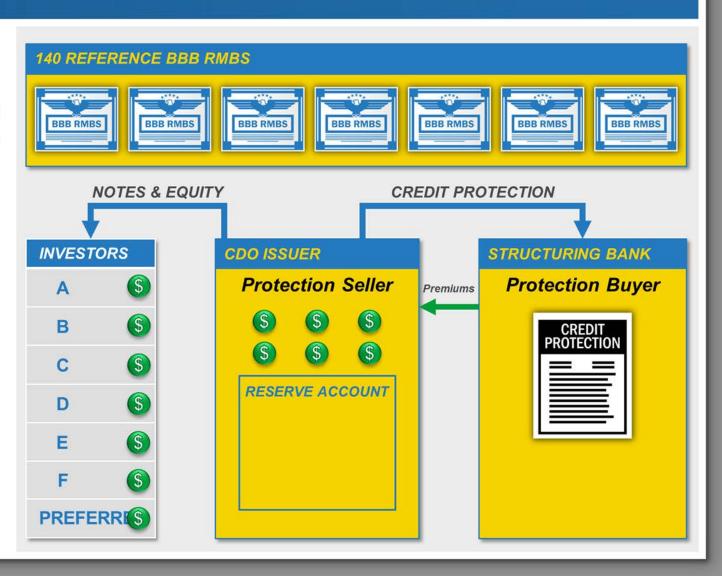
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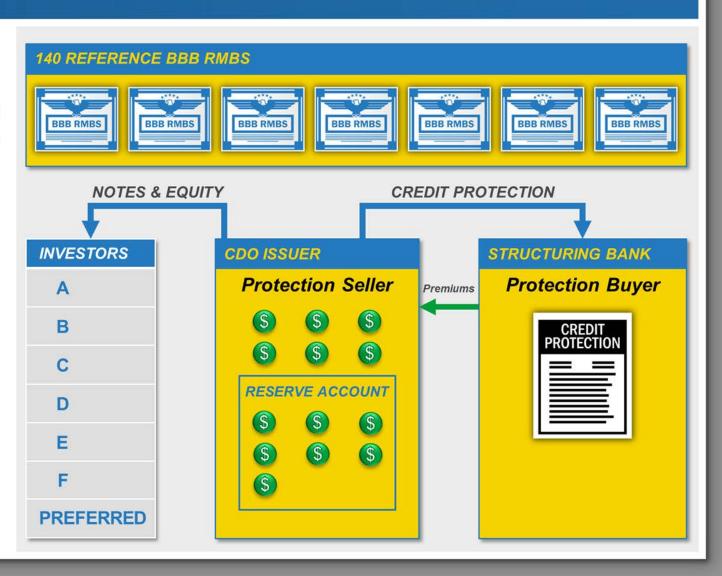
The CDO Issuer sells Notes and Equity to Investors.

Proceeds from sales are deposited in the Reserve Account.



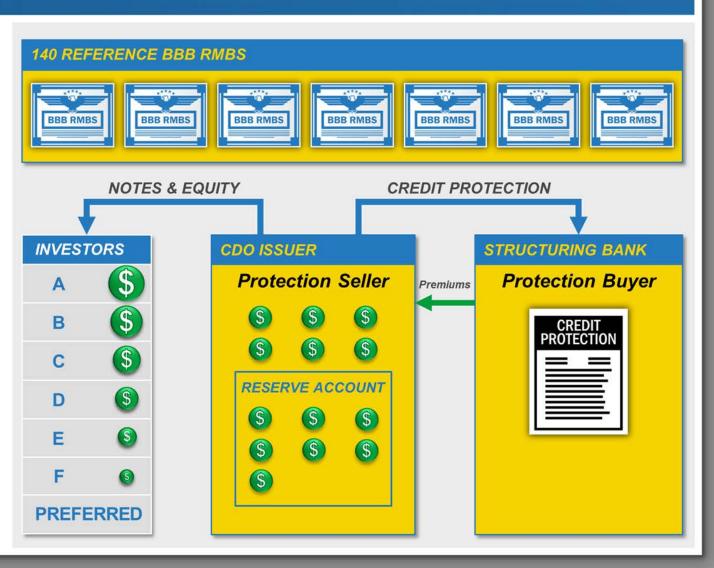
The CDO Issuer sells Notes and Equity to Investors.

Proceeds from sales are deposited in the Reserve Account.



The CDO uses premium payments to pay investors principal and interest.

Cash flows from highest rated tranches to lowest rated tranches.



ABX Index Structure

FEBRUARY 13, 2015 EXPERT REPORT OF JEFFREY HARRIS: DIAGRAM 2

The ABX Index tracks the price of credit default protection on a basket of 20 subprime RMBS.

SUB- INDICES	RMBS 1	RMBS 2	RMBS 3	RMBS 4	RMBS 5	RMBS 6	RMBS 7	RMBS 8	RMBS 9	RMBS 10	RMBS 11	•••	RMBS 20
AAA	'AAA' RMBS	•••	'AAA' RMBS										
AA	'AA' RMBS		'AA' RMBS										
A	'A' RMBS		'A' RMBS										
BBB	'BBB' RMBS		'BBB' RMBS										
BBB-	'BBB-' RMBS		'BBB-' RMBS										
	Residual		Residual										

ABX Index Structure

FEBRUARY 13, 2015 EXPERT REPORT OF JEFFREY HARRIS: DIAGRAM 2

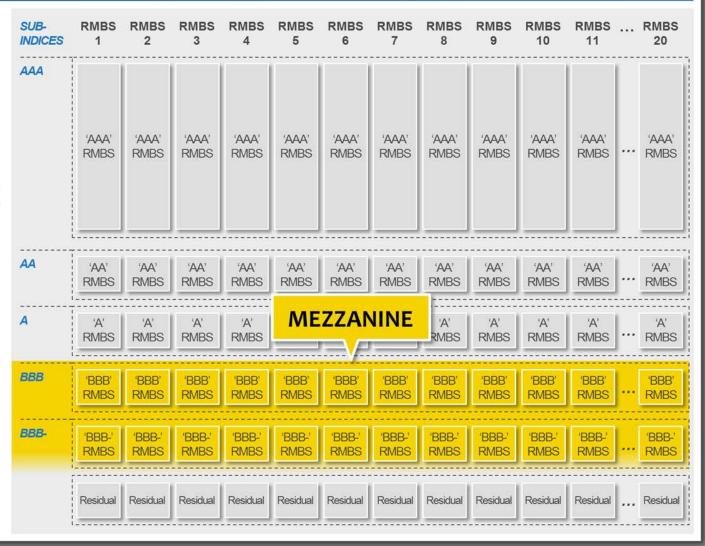
The ABX Index, like the basket of subprime RMBS it referenced, was tranched into different sub-indices based on credit rating.

SUB- INDICES	RMBS 1	RMBS 2	RMBS 3	RMBS 4	RMBS 5	RMBS 6	RMBS 7	RMBS 8	RMBS 9	RMBS 10	RMBS 11	 RMBS 20
AAA	'AAA' RMBS	 'AAA' RMBS										
AA	'AA' RMBS	 'AA' RMBS										
A	'A' RMBS	 'A' RMBS										
BBB	'BBB' RMBS	 'BBB' RMBS										
BBB-	'BBB-' RMBS	 'BBB-' RMBS										
	Residual	 Residual										

ABX Index Structure

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Market Transparency

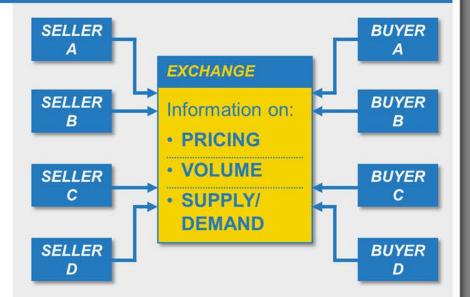
Exchange Market vs.

Over-the-Counter (OTC) Market

EXCHANGE MARKET

Uses a centralized trading mechanism to match bids and offers and allocate trades.

Trade information is available to ALL market participants.



Market Transparency

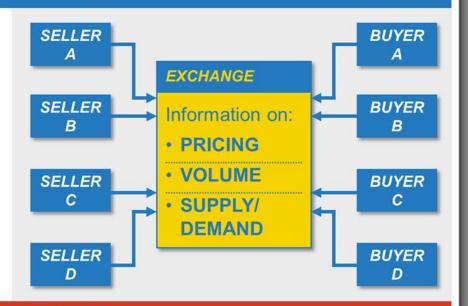
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OVER-THE-COUNTER (OTC) MARKET

"Market Makers" take on the role

of the exchange.

Buyers and Sellers negotiate terms in private.

Each market participant has **limited knowledge** of trades to which they are not a party.



Role of Market Maker in an OTC Market

