

# Expanding the portfolio management toolkit

A primer on Credit Risk Transfer (CRT)  
solutions for North American banks

# EXECUTIVE SUMMARY

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are facing growing headwinds

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1 Source: OSFI, Moody's Analytics

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# Banks are increasingly tapping credit portfolios

7R FRQWLQXH VHUYLQJ FOLHQWV -QDQFLQJ QHHGV LQ WKH  
IDFH RI WKHVH SUHVWXUHV EDQNV DUH H[SDQGLQJ WKH

# Credit Risk Transfers (CRTs)

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- management toolkit

& 57 VROXWLRQV KDYH EHHQ JDLQLQJ PRPHQWXP

in North America as another mechanism for risk

GLVWULEXWLRQ R@HULQJ VRPH PDWHULD O DGYDQWDJHV

Exhibit 4: Three primary transaction models of CRT solutions

	NON-PAYMENT INSURANCE	FUNDED CRTs/SRTs	UNFUNDED CRTs/SRTs
			
Scope	6 LQJOH ORDQV VPDOO Hedges Real QMfolios of H[SRVXUHV		
Products	O RVW FRPPRQ LQ & , & 5( WUDG H63.1 <0037.3 <004619.9 <0044>3-16 <00052>->5500030004>3-11.4 <004 DQG FRPPRGLW\ -QDQFH SURMHFW -QDQFH IXQG -QDQFH OYJ ORDQV and derivative H[SRVXUHV		

,QVXUHUV DQG UHLQVXUHUV W\SLFDOO\ KDYH WKH H[SHUWLvh DQG FDSDFLW\ WUDQFKHV EDVHG RQ D YDULHW\ RI IDFWRUV VXFK DV WKHLU H[LVWLQJ SRUW DQG H[SHULHQFH LQ XQGHUZULWLQJ ULVN IRU D JLYHQ DVVHW FODVV 3ULYDW DSSHWLWHV DQG DUH ZLOO[S 14qJasP ]@Q HwOKl PMH Q [Q•OP@•@RQGL @ H ] ]FDHQ DQHZ@ D 0 P W R Å

The evolution of the SRT market  
globally is a template for growth  
¥ a • « ® ° ☰ America

7KH (XURSHDQ 6LJQL FDQW 5LVN 7UDQVIHUV 657V  
EHJDQ LQ WKH ODWH V DQG DFFHOHUDWHG LQ WKH HDUO\

,Q WKH 86 PDQ\ EDQNV KDYH EHHQ XVHUV RI 13, VLQFH  
WKH HDUO\ V PRVWO\ IRU VFWRUDO DQG FRXQWHUSDUW\  
limit management, and general risk management

SXUSRVHV ,QLWLDOO\ FDSDFLW\ ZDV SULPDULO\ XWLOL]HG  
IRU WUDGH DQG FRPPRGLW\ ^QDQFH VFHXUHG 5&)V DQG  
DVVHW EDVHG OHQGLQJ +RZHYHU WKH PDUNHW KDV HYROYHG  
WR WDNH FRQVLGHUDEOH YROXPHV RI SURMHFW ^QDQFH DQG  
LQFUHDVLQJO\ WD[ HTXLW\ WD[ FUHGLW DQG R@WDNH ULVN  
HVSHFLDOO\ LQ WKH YDULRXV RQVKRUH 86 HQHUV\ PDUNHWV  
DQG EXUJHRQLQJ UHQHZDEOHV market.

\*XLGDQFH IURP WKH )H@€0•ROXW KDV °H p

0u

# The opportunity for CRTs

¥ a • « ® ° ☰ f © ¡ ® ¥ Ÿ • ¥ ¨ vast

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5 :\$ GHQVLW\ LV GH^QHG DV WKH UDWLR RI 5 :\$ WR WWRD O DVVHW H[S RVXUH DQG PHDVXUHV WKH U

- 5 The risk weight of the insured portion of the exposure can be substituted for the risk weight of the guarantor and will lead to reduced capital charges for the guaranteed exposure if the former's risk weight is higher than its substitute. As such, exposures with a risk weight below 35% OH DG WR PLQLPDO FD S L W DO UHOLHI EH QH^W V + RZH YHU WKLV LV QRW D VWULFW FXW R® DV FH complex underwriting for certain loan exposures. Source: Basel Framework CRE 22.23

6 Source: Basel Framework CRE 20.82

7 Insurers have limited appetite for insuring loans with a rating above BB+eng loans wi. Sg Ica624"m\_0 à>eC)RR6RI%ž8 # {2\*2 ,BGRB#F•NFD)RX%I...%â à : # 6

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CRT operating models are  
investing in analytics and risk  
management capabilities

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11 Based on previous Marsh McLennan experience supporting NPI and CRT/SRT transactions

Exhibit 9: Timeline of typical NPI transaction

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ones G D \ V

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provider of CRT solutions

ODUVK OF/HQQDQ LV D OHDGLQJ SURYLGHU RI &57  
VROXWLRQV EULQJLQJ XQSDUDOOHOHG FUHGLW ULVN H[SHUWLvh  
VWURQJ GLVWULEXWLRQ FDSDDELOLWLHV WR LQVXUHUV DQG  
UHLQVXUHUV DQG D SURYHQ WUDFN UHFRUG RI VXFFHVVIXO  
H[HFXWLRQ RI &57 VROXWLRQV

ODUVK \*X\ &DUSHQWHU DQG 2OLYHU :\PDQ collaborate  
WR GHVLJQ DQG GHSOR\ H@R UÀZWâXW@Q,VROXW LRPIÔ• €R \P

<b>4</b> & 5 7 QRWL FDWL RQ3 DUE S DUH SUH QRWL FDWL RQ DQG " QDO QRWL FDWL RQ IRU WKH - 67 supervisory dialogue	<ul style="list-style-type: none"> <li>• Prepare reporting templates</li> <li>• 6 XSSRUW GXULQJ LQWHUDFWLRQ DQG 4 \$ ZLWK WKHUH JXODWRU</li> </ul>
<b>5</b> Internal approval	<ul style="list-style-type: none"> <li>• UHVRQDQFH approval Q</li> </ul>

Internal  
operational  
machine set-up  
Oliver : \P D Q

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Exhibit 12: Sample case studies of NPI and CRT/SRT transactions executed by Marsh McLennan  
(Appendix B for reference)

	NON-PAYMENT INSURANCE	UNFUNDED RISK TRANSFER	FUNDED RISK TRANSFER
Case Study			

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Exhibit 13: Comparison of pre-GFC CDS to current capital markets and (re)insurance CRT solutions

Pre-GFC derivatives	Capital markets	(Re)insurance
Pre-GFC credit default swaps (CDS)	Funded (CRT)	Unfunded

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## CASE STUDY

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## CASE STUDY ó

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2OLYHU :\PDQ DQG ODUVK DFWHG DV D VHOO VLGH DGYLVRU WR WKH bank

### CONTEXT

- Q 'HFHPEHU D (XUR ]RQH (XURSHDQLVW\QMFUDQRMHG DFKLHYHG E\ D FRVW HFLHQW LWV LQDXJXUDO ELODWHUDO V\QWKHWLSFR 647F WSUDQYLDGHGL RQ DZ \W\KUDQLQVXUHU XQGLVFORVHG LQVXUHU SURWHFWLQJ. ,PSURYH\PHQWRY & (7UDWLRE\ ESV DW D FR the VWUXFWXUH
- 2OLYHU :\PDQVK ODUVK OF/HQQDQ DGYLVHG,DQD ZUDGH,DOD RZHG WKH EDQN WR UHJDLO DFFHV VROH VWUXFWXUHU DQG DUUDQJHU RQ WKH XQO\VERSHRIWKV FDSSLWDO PDUNHWWV LQDFRQWH[W RI VLJQL-FD transaction E\ credit markets.
- 6WUXFWXULQJ WKH transaction
  - %URDGHQHG WKH VRXUFHV RI SRWHQWLDO IXW 0RGHOOLQJ WKH FDSSLWDO DQG VXS established rules 'V UHODWLRQVKLS DQG LWV UHXXV 3URYLGQLQJ WKH UHTXLUGH VHFXULW\]DWLRQ WRRORV FDSDELOLW\HV LQ WKH (XURSHDQ 657 market.
  - 7UDQVFDFWLQZDV H[HFXWHG LQ IRXU WR YHm /HDGLQJ WKH UHJXODWRU\ DGYLVRU\ QRWL-FDWLRQ process
- Placing the transaction
  - 7KLV WUDQVDFWLQ EXLOGV RQ D VVURQJ WUDFN UHFRUG RI 657 WUDGHV DUUDQJHG VLQFH E\ ODUVK OF/HQQDQ

### KEY HIGHLIGHTS

#### Portfolio

#### 6WUXFWXUH

#### CAPITAL STRUCTURE OF THE SYNTHETIC SRT



Tranche	Size (€millions)	AP	Status
6HQLRU	940	6%	5HWDLQHG
0HJDQLQH	10	2%	Protected
),LU@SW	20	0%	5HWDLQHG
Total			1000

## CASE STUDY ô

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ODUVK OF/HQQDQ 1<6( 00\*X\ &DUSHQWHU GHYHORSV DGYDQFHG ULVN UHLQVXUD  
KHOS FOLHQWV JURZ SUR^WDEO\ DQG SXUVXH GHPOHILJHLQV BGSRBW DQIGWWHV KMDcerRJ  
VROXWLRQV WKDW KHOS RUJDQL]DWLRQV UHGH^QH WKH ZRUOG RI ZRUN UHVKDSDH  
XQORFN KHDOWK DQG ZHOO EHLQJ IRU D FKDQJLQJ ZRUNIRUFH 2OLYHU :\PDQ VH

)RU PRUH LQIRUPDWLRQ YL\RW PRDU VRKOPG RZLQGRQ /LQNHG ,Q

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