

# **TXS Covered Bond Management**

Efficient and Effective Reporting

**March 2014** 

# TXS 'General Mission

**Test Cover Pool** 

Cash Flow and PV Reporting

The Cockpit: Current Overview

**Covered Bond Rating** 

**Investor Reporting** 



#### **TXS Covered Bond: Central Mission**

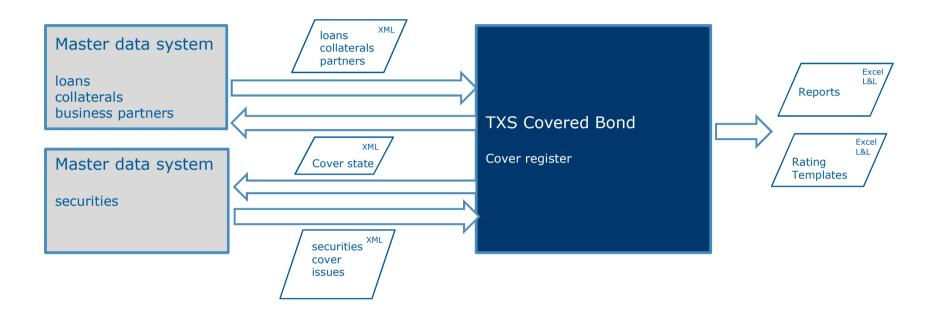
- Special Management Tool for Covered Bond Issuing Banks
- Efficient Cover Registry Processes
- Effective Cover Pool Analysis/Benchmarking
- Automatic Reporting for various Stakeholders

→ TXS Covered Bond significantly improves the Delta Tasks arising in Covered Bond Issuing Banks



### **TXS** Covered Bond: Position in the IT Landscape

#### Covered Bond issuing bank



#### **Assets**

- select
- export
- import cover state (optional)

#### Transfer XML files

or use of

TXS Connector (to raw data files or database)

#### Cover register management

- Business processes (Trustee, ...)
- Key Figures
- Net Present Value
- Reporting

#### Reports

- Legal requirements
- Rating Templates
- User defined



TXS 'General Mission

Test Cover Pool

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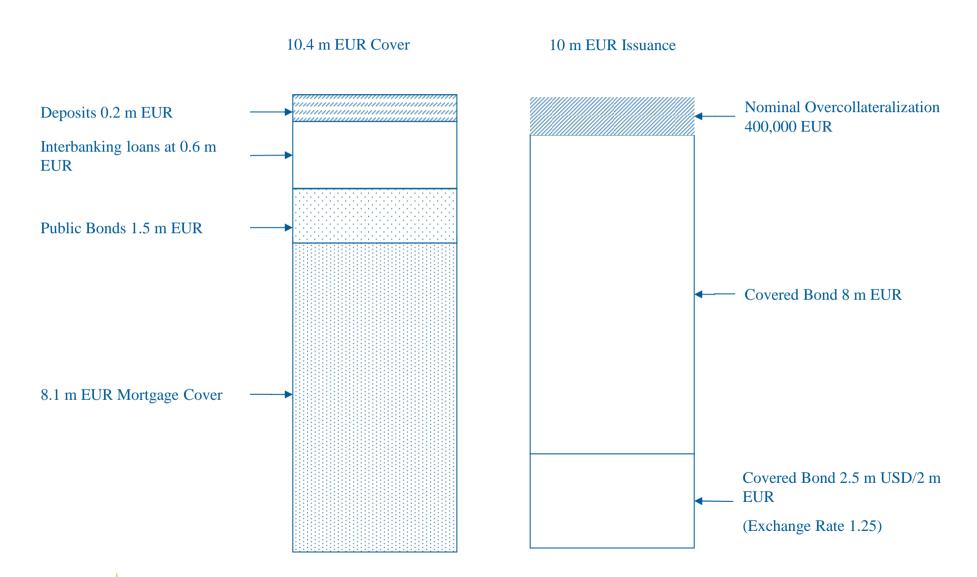
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# **Schematic Cover Pool (Mortgages)**



# **TXS Covered Bond**



Look and Feel!



TXS 'General Mission

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#### **TXS Cash Flow and Present Value Calculation**

- Integrated Cash Flow Engine
- Wide Range of Simulation Approaches
- Asset Liability Balance to facilitate Forecasting
- Flexible Perspectives to analyze Subpools

Cash Flow and PV Calculation improve Planning and Monitoring



TXS 'General Mission

**Test Cover Pool** 

Cash Flow and PV Reporting

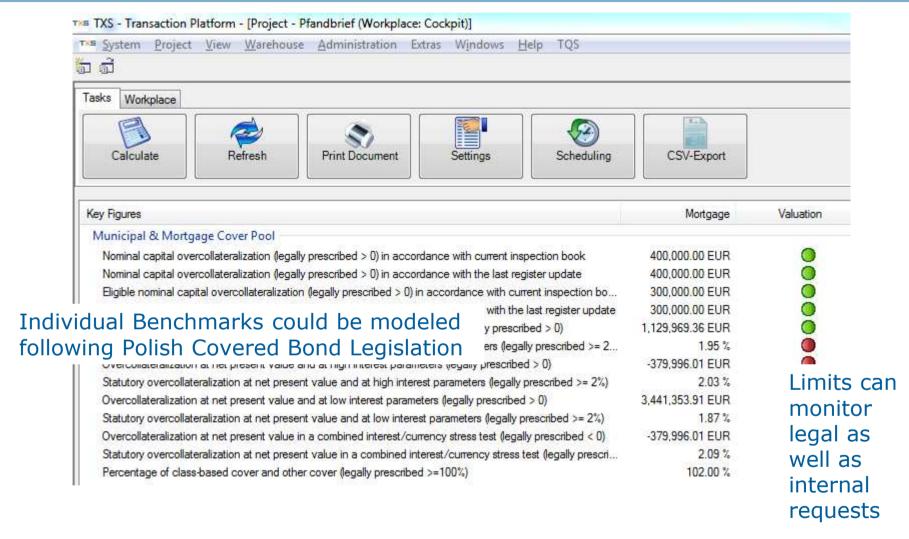
The Cockpit: Current Overview

**Covered Bond Rating** 

**Investor Reporting** 



#### **Cockpit: Benchmarking with Limits**



# → Relevant Benchmarks can be monitored comfortably



TXS 'General Mission

**Test Cover Pool** 

Cash Flow and PV Reporting

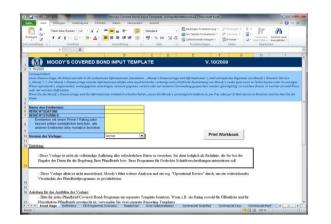
The Cockpit: Current Overview

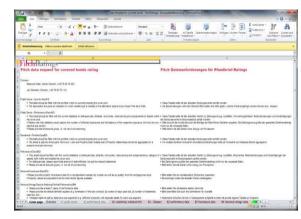
**Covered Bond Rating** 

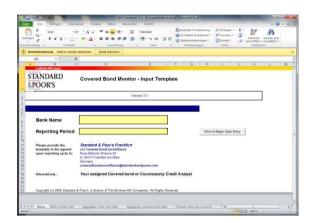
**Investor Reporting** 



# **TXS Covered Bond Rating**







- Support of the templates from all relevant Rating Agencies
- Automatic filling of the standard rating templates



TXS 'General Mission

**Test Cover Pool** 

Cash Flow and PV Reporting

The Cockpit: Current Overview

**Covered Bond Rating** 

Investor Reporting



# **TXS Investor Reporting**



	Nomin	Nominal value		Net present value		usted net present value			
						and currency stressed)*			
	04.02.2014	04.02.2013	04.02.2014	04.02.2013	04.02.2014	04.02.2013			
Total volume of the covered bonds outstanding incl.	10,00	+	10,25	÷	9,87	÷			
Total volume of the cover pools incl. Derivatives	10,40	÷	11,38	÷	9,49	÷			
% foreign currency derivatives v. liabilities	0,00%	÷	0,00%	÷	0,00%	÷			
% interest derivatives v. liabilities	0,00%	÷	0,00%	÷	0,00%	÷			
% foreign currency derivatives v. assets	0,00%	÷	0,00%	÷	0,00%	÷			
% interest derivatives v. assets	0,00%	÷	0,00%						
Excess cover in %	4,00%	-	11,03%						
	Covere	Covered bonds 04.02.2014 04.02.2013		version could be		ould bo			
	04.02.2014	04.02.2013		<b>VEI 5</b>	ion c	ouiu be	PfandBG	04.02.2014 04.0	12.20
up to 6 months	0,00	0,00 ÷ 0,94 8,00 ÷ 1,40			The second of th			87,02%	÷
more than 6 months up to 12 months	8,00	,	1,40	elab	orated and		d bonds	100,00%	÷
more than 12 months up to 18 months	0,00	÷	0,09						
more than 18 months up to 2 years	0,00		0,75 0,47	imnl	amai	ntod			
more than 2 years up to 3 years	0,00	÷	0,47	implemented					
more than 3 years up to 4 years	0,00	÷	0,50	-					
more than 4 years up to 5 years	0,00	÷	0,00	÷	l				
more than 5 years up to 6 years	2,00	÷	0,02	÷					
more than 10 years	0.00	÷	6.22	÷					

 Automatic Production of standardised national Investor Reports



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### Starting with an Overview of TXS Covered Bond

#### Managing an integrated view on cover-pool and outstanding volume • Modelling of all necessary financial instruments (loans, bonds ...) Central Assignment function for assets & bonds ⇔ cover pool **functions** • Live monitoring of legal key figures Reporting Loans Bonds Covered Bond Securities Model Cover Register Check eligibility • Import Asset lifecycle legal reports instrument data Adding to cover Monitoring of other reports **Process** pool / outstanding assets and cover Check of data volume pool limits quality **Support** manage register • export cover state

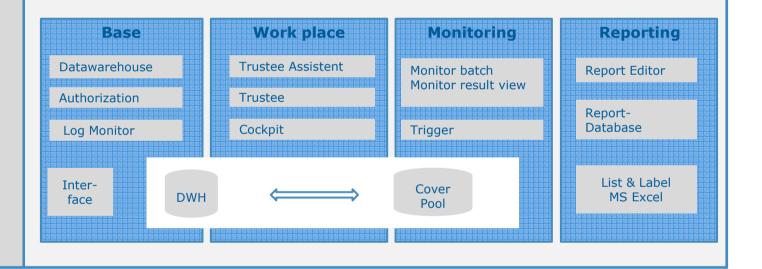


#### **Details on TXS Covered Bond Modules**

# **Process** support

- Import instrument data
- Check of data quality
- Check eligibility
- Adding to cover pool / outstanding volume
- manage register
- export cover state
- Asset lifecycle
- Monitoring of assets and cover pool limits
- legal reports
- other reports

# IT Solution Modules





- German trustee process is similar to that in Poland
- Multiple requirements in terms of quality and efficiency
- Especially at high volume and increasing market-driven and legal requirements
- → Goal today: A short demonstration how TXS Covered Bond currently deals with these requirements in Germany



### **Responsibilities of the Trustee**

- (Simplified) German law extracs
  - The Trustee must ensure that the prescribed cover for the "Pfandbriefe" is available at any time.
  - The Trustee must ensure that the values used to cover the "Pfandbriefe" must be entered in the respective cover register.



#### Tasks of the Trustee

The Trustee must ensure that the prescribed cover for the "Pfandbriefe" is available **at any** time.

The Trustee must ensure that the values used to cover the "Pfandbriefe" **must be** entered in the respective cover register.

#### When to monitor

#### Changes on pool:

- Adding & Removing assets
- Adding & Removing bonds

#### Changes on assets: Life-cycle of assets

- i.e. debtor exchange, change of mortgage lending value
- Repayment

#### What to monitor

#### Per assets

- Eligibilty fulfilled
- Cover values accurate
- Cover register accurate

#### On cover pool

- Key figures
- i.e. overcollaterization fulfilled
- Nominally, net present value
- Stratifications

- => 1) Details on pool change process
- => 2) Details on asset change process



### 1) Changes on pool

**Process** 

Loans processing Loan officer

**Trustee Assistant** 

Trustee

**Steps** 

For example

- New loan
- default of a loan
- Todo-list
- Look at loan data
- Check eligibility
- Calculate or check cover values (60%)
- Release or reject

Todo list

- Look at loan data
- Check eligibility
- Check pool figures
- Preview pool figures
- Release or reject
- Check cover register

TXS CB Support Interface

Assistant work place

- Show current todos
- Eligibility rules
- Asset details, data quality validation
- Cover value calculation
- Workflow with trustee and loan officer

Trustee work place

- Show current todos
- Figure preview
- Fully automatic cover register
- Workflow with assistant

Demo

### 2) Changes on assets

**Process** 

Loans processing Loan officer

**Trustee Assistant** 

Trustee

**Steps** 

For example

- Debtor exchange
- Change of mortgage lending value
- New collateral
- Repayment

- Todo-list
- Check eligibility
- Check data quality
- Check for register concerning data changes
- Release or reject

Todo list

- Release or reject changes
- Check cover register

TXS CB Support

Interface

Monitor changes

- Validations
  - => Details in DWH
- Register concerning
  - => send to trustee
- Eligibility
  - => Workflow with loan officer

Trustee work place

- Current todos
- Fully automatic cover register
- Workflow with assistant

Demo

### **TXS Covered Bond Trustee process support: Summary**

The Trustee must ensure that the prescribed cover for the "Pfandbriefe" is available **at any** time.

The Trustee must ensure that the values used to cover the "Pfandbriefe" **must be** entered in the respective cover register.

#### When to monitor What to monitor Changes on pool: Per assets · Adding & Removing assets · Eligibilty fulfilled Adding & Removing bonds · Cover value accurate · Cover register accurate Changes on assets: On cover pool Life-cycle of assets · Key figures · i.e. debtor exchange, · i.e. overcollaterization change of mortgage fulfilled lending value · Nominally, net present Repayment value Stratifications

- Support of the trustee and trustee assistance processes
- Focussed on very large numbers of residential and commercial mortgages
- Workflows between loan officer, trustee assistant and trustee
- Individually customizable
  - From mainly manual to fully automated
    (i.e. automatic acceptance into the cover pool)
  - Flexible eligibility rules concept
  - Flexible validation concept

#### **TXS - Contacts**

Jan Eisenhardt Head of IT Development Jan.Eisenhardt@txs.de

Dr. Markus Wilken Head of Business Consulting Markus.Wilken@txs.de TXS GmbH Sonninstraße 24-28 D-20097 Hamburg Fon +49 (0) 40 88150 0 Fax +49 (0) 40 88150 123

www.txs.de

