Commerzbank AG

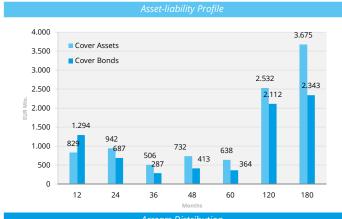
Public Sector Covered Bond Program

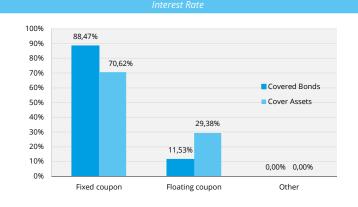
Creditreform C Rating

Rating Object				
Country Issuer	Germany	Repayment method	Hard Bullet	
Cover pool asset class	Public Sector		Min (2,00%)	
Legal framework	German Pfandbriefe Act	Overcollateralization	Current (31,39%)	
Nominal value	EUR 7.499,20 m.		Committed (NA)	
Cover pool value	EUR 9.853,00 m.		Fix (88,47%)	
WAL maturity covered bonds	7,20 (Years)	Covered bonds coupon type	Floating (11,53%)	
WAL maturity cover pool	9,10 (Years)		Other (0,00%)	
Cut-off date Covered Pool Information:	31.03.2019			

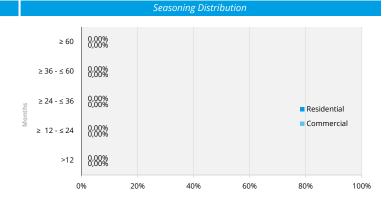
Rating Overview				
Rating Summary		Credit Risk		
Issuer	Commerzbank AG	Metrics date	10.12.2018	
LT Issuer Rating	BBB+	Rating Case Default Rate	13,30%	
ST Issuer Rating	L2	Rating Case Recovery Rate	46,31%	
+Legal and regulatory framework analysis	+4 Notches	Expected Loss	7,14%	
+Liquidity and refinancing risk	+1 Notch	Rating Case Breakeven OC	7,00%	
= Rating after 1st uplift	AA	Program Key Counterparties		
Cover Pool & cash flow analysis	BB+	Servicer	NA	
+ 2nd rating uplift	+0 Notch	Account Bank	NA	
Rating covered bond program	AA	Sponsor	NA	

Cover Assets Composition			
Cover Pool Balance	EUR 9.853,00 m.	Average size Loans	EUR 26.972,78 k.
Average Seasoning	NA		
Distribution by Type of Asset		Distribution by Loan Size	
Mortgages	EUR 0,00 m.	Total Number of Exposures	360
Public Sector	EUR 9.710,10 m.	Sovereings (EUR m.)	2.402
Substitute Assets	EUR 142,80 m.	Regional/federal authorities (EUR m.)	4.956
Other (Derivates)	EUR 0,00 m.	Local/municipal authorities (EUR m.)	1.129
		Others (EUR m.)	1.223









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Creditreform C Rating

LTV Distribution Commercial Loans			LTV Distribution Residential Loans		
LTV	Nominal	% Loans	LTV	Nominal	% Loans
>0 - <=40 %	NA	NA	>0 - <=40 %	NA	NA
>40 - <=50 %	NA	NA	>40 - <=50 %	NA	NA
>50 - <=60 %	NA	NA	>50 - <=60 %	NA	NA
>60 - <=70 %	NA	NA	>60 - <=70 %	NA	NA
>70 - <=80 %	NA	NA	>70 - <=80 %	NA	NA
>80 - <=90 %	NA	NA	>80 - <=90 %	NA	NA
>90 - <=100 %	NA	NA	>90 - <=100 %	NA	NA
>100%	NA	NA	>100%	NA	NA

Currency Distribution			Loan Distribution	by Regions (as % of total	Public Sector assets)
Currency	Covered Bonds	Covered Assets	Region	% of Public Sector assets	
EUR	7.250,58 m.	7.638,65 m.	NA	NA	
AUD	0,00 m.	0,00 m.	NA	NA	
BRL	0,00 m.	0,00 m.	NA	NA	
CAD	0,00 m.	0,00 m.	NA	NA	
CHF	248,64 m.	781,33 m.	NA	NA	
CZK	0,00 m.	0,00 m.	NA	NA	
DKK	0,00 m.	0,00 m.	NA	NA	
GBP	0,00 m.	800,90 m.	NA	NA	
HKD	0,00 m.	0,00 m.	NA	NA	
JPY	0,00 m.	0,00 m.	NA	NA	
KRW	0,00 m.	0,00 m.	NA	NA	
NOK	0,00 m.	0,00 m.	NA	NA	
PLN	0,00 m.	0,00 m.	NA	NA	
SEK	0,00 m.	0,00 m.	NA	NA	
SGD	0,00 m.	0,00 m.	NA	NA	
USD	0,00 m.	632,14 m.	NA	NA	
Other	0,00 m.	0,00 m.			

Swap Counterparties			
Name	Type of arrangement	LEI	
NA	NA	NA	
Swap Agreements			
Interest Rate Swap		NA	
Currency Swap		NA	

Commerzbank AG

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Creditreform ⊆ Rating

ISIN Lists					
Issuer	ISIN	Coupon Type	Coupon Rate (%)	Issue date	Maturity date
Commerzbank AG	XS0098779837	Floating	0,00	18.06.1999	18.06.2019
Commerzbank AG	DE000EH1AA82	Fix	3,13	16.07.2010	16.07.2020
Commerzbank AG	DE000EH0EC79	Floating	0,00	22.02.2006	22.02.2021
Commerzbank AG	XS0098656597	Floating	0,00	15.06.1999	17.06.2019
Commerzbank AG	DE000EH1A477	Fix	3,50	03.12.2009	03.06.2019
Commerzbank AG	DE000A0BNEJ2	Floating	0,00	20.08.2004	20.08.2019
Commerzbank AG	XS0244555131	Fix	3,82	16.02.2006	16.02.2021
Commerzbank AG	DE000HBE1M04	Fix	4,00	07.12.2006	07.12.2021
Commerzbank AG	DE000EH1AAK3	Fix	3,22	02.03.2010	02.03.2020
Commerzbank AG	DE000EH1ABD6	Fix	2,69	09.09.2010	09.09.2019
Commerzbank AG	DE000EH1ABY2	Fix	3,45	28.01.2011	28.10.2019
Commerzbank AG	DE000EH1A4M7	Fix	3,75	23.09.2009	23.09.2019
Commerzbank AG	DE000EH1AAP2	Fix	3,40	16.03.2010	16.03.2020
Commerzbank AG	DE000HBE1MF6	Floating	0,00	13.11.2006	13.11.2036
Commerzbank AG	DE000EH0EC46	Floating	0,00	16.02.2006	16.02.2021

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Data Definitions

The data is presented with a cut-off date . Following the clarification regarding the source of information: Issuer: Issuer source of information are all available public information, i.e. Investor Reports, Harmonised Transparency Templates "HTT", National Transparency Templates "NTT", Prospectus etc. Not reported or non available information will be labeled as "NA".

Field Name	Source	Definition
Cover pool asset class	Issuer	The asset type in the cover pool (public sector assets or mortgage assets)
Legal framework	CRA	The set of legislative and regulatory rules of the respective jurisdiction that regulates the covered bonds (CB) program
Nominal value	Issuer	The total amount of outstanding covered bonds as of cut-off date expressed in millions
Cover pool value	Issuer	Aggregate value of all assets in the cover pool as of cut-off date expressed in millions
WAL maturity covered bonds	Issuer	The weighted average remaining maturity of all outstading covered bonds in years
WAL maturity cover pool	Issuer	The weighted average remaining maturity of all outstading covered assets in years
Repayment method	Issuer	Hard Bullet: Covered bonds are repaid on the maturity date which cannot be extended Soft Bullet: The maturity date of the covered bonds can be extended by a fixed period Conditional pass-through (CPT): Covered bonds with a scheduled maturity date, and an extension mechanism defined by certain conditions
Overcollateralization	Issuer	Current OC: The proportion of covel assets that exceeds the proportion of currrently outstanding covered bonds, calculated as ([Cover pool value]/[outstanding covered bonds]-1)*100 Min OC: The OC level that the issuer must maintain according to the respective CB legislation Committed OC: The minimum OC level that the issuer has committed to maintain
Covered bonds coupon type	Issuer	Type of interest rate paid on covered bonds, expressed as a percentage of bond's face value
LT Issuer Rating	CRA	Long-term ratings assess the default risks for each category of a bank's financial instruments with a residual term-to-maturity of more than one year
ST Issuer Rating	CRA	Short-term ratings assess the default risks for each category of a bank's financial instruments with a residual term-to-maturity of less than one year
Legal and regulatory framework analysis	CRA	A qualitative assessement of legislative and regulatory rules of the covered bonds program
Liquidity and refinancing risk	CRA	A qualitative assessement of regulatory requirements for liquidity and refinancing risk of the covered bonds program
First rating uplift	CRA	The rating after adding up the notches from Legal and regulatory framework analysis and Liquidity and refinancing risk with LT Issuer rating
Cover pool and cash flow analysis	CRA	The quantitative assessment of the cover assets and covered bonds at different rating-level stressed scenarios
Second rating upflift	CRA	The rating after adding up the notches from cash-flow analysis with 1st rating uplift (only effective if the rating from cash-flow analysis is higher than the 1st rating uplift)
Metrics date	CRA	The date on which CRA assigned the initial / follow-up rating of the covered bond program
Rating Case Default Rate (RDR)	CRA	Stressed default rate of the cover assets represented by the base case stressed scenario
Rating Case Recovery Rate (RRR)	CRA	Stressed recovery rate of the defaulted assets represented by the base case stressed scenario
Expected Loss	CRA	Stressed loss rate of the cover assets represented by the base case stressed scenario. The expected loss rate has been calculated as [RDR*(1-RRR)] [%]
Rating Case Breakeven OC	CRA	The required stressed OC level compatible with the base case rating
Average Seasoning	Issuer	Average length of the loans from the origination date to the cut-off date in months
Loan Size	Issuer	Average size of the loans (i.e. Total value of cover assets / Number of loans)
LTV	Issuer	The loan-to-value (LTV) is the ratio of a loan to the value of the property securing the loan
LEI	CRA	Legal Entity Identifier (LEI) enables unique identification of legal entities in financial transactions
Arrears Distribution	Issuer	The distrbution of arrears of the cover assets with respect to each asset class
Seasoning Distribution	Issuer	The distrbution of seasoning of the cover assets with respect to each asset class
Asset liability Profile	CRA	The maturity structure of the cover assets and liabilities
% Residential Loans	Issuer	Outstanding value of loans that are secured by the residential property expressed as % of total outstadning loans in the cover pool
% Commercial Loans	Issuer	Outstanding value of loans that are secured by the commercial property expressed as % of total outstadning loans in the cover pool
Fixed Coupon	Issuer	All assets and liabilities in the covered bond program that yield a fixed interest rate
Floating Coupon	Issuer	All assets and liabilities in the covered bond program that have variable interest rates

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Public Sector Covered Bond Program

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