

CREDIT OPINION

21 June 2018

Update

 Rate this Research

RATINGS

Domicile	Frankfurt am Main, Germany
Long Term CRR	Aa3
Long Term Debt	A1
Types	Issuer Rating Senior Unsecured
Outlook	Negative
Long Term Deposit	Aa3
Type	LT Bank Deposits - Fgn Curr
Outlook	Stable

Please see the [ratings section](#) at the end of this report for more information. The ratings and outlook shown reflect information as of the publication date.

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Landesbank Hessen-Thuringen GZ

Update to credit analysis

Summary

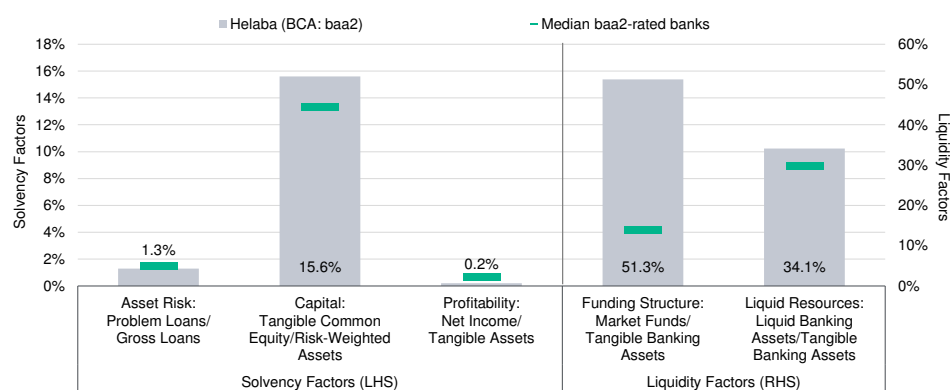
On 19 June 2018, we assigned Counterparty Risk Ratings (CRRs) at Aa3/P-1 to [Landesbank Hessen-Thuringen GZ](#) (Helaba) and its branch in New York; the rating action did not affect the bank's other ratings. For additional information, please refer to [Moody's assigns Counterparty Risk Ratings to 26 German banks](#). We rate Helaba's senior unsecured and issuer ratings at A1 and deposit ratings at Aa3/P-1. The bank's Baseline Credit Assessment (BCA) is baa2, Adjusted BCA baa1 and Counterparty Risk (CR) Assessment Aa3(cr)/P-1(cr).

Helaba's ratings reflect (1) its baa2 BCA; (2) its baa1 Adjusted BCA, incorporating one notch of uplift based on affiliate support from [Sparkassen-Finanzgruppe](#) (S-Group, Aa2 stable, a2¹); (3) the result of our Advanced Loss Given Failure (LGF) analysis, which takes into account the loss severity faced by the different liability classes in resolution and provides three notches of uplift for deposits and two notches of uplift for senior debt; and (4) a moderate likelihood of government support, resulting in one notch of uplift.

The baa2 BCA reflects Helaba's (1) sound capitalisation and leverage ratios, (2) moderate asset risk profile, and (3) comfortable liquid resources. Furthermore, the BCA reflects the bank's substantial exposure to international commercial real estate (CRE) markets, its modest (although stable) profitability and a funding structure that relies on significant market funding access.

Exhibit 1

Rating Scorecard - Key financial ratios



Source: Moody's Banking Financial Metrics

Credit strengths

- » Sound risk management, with an established track record
- » Solid and better capitalisation, which has improved the company's ability to withstand a certain degree of adverse environment
- » Good access to sector funds, which supports its liquidity profile

Credit challenges

- » High sector concentrations in the cyclical CRE business, which remain a tail risk for asset quality
- » Low, although stable level of risk-weighted profitability, which is providing a limited buffer in case of an adverse development
- » Dependence on confidence-sensitive market funding, which remains significant despite its access to sector funds

Outlook

- » The outlook on Helaba's deposit rating is stable, reflecting our view of its (1) broadly stable liability structure over the 12-18 month outlook horizon; and (2) only moderately changing financial profile and unchanged sector relationships, leading to unchanged high affiliate support from S-Group. On 12 December, we changed the outlook on Helaba's senior unsecured debt and issuer ratings to negative from stable, reflecting our view that once pending Bank Recovery and Resolution Directive amendments are transposed into German law, unsecured bonds that meet the definition of article 46f of the German banking act (§46f KWG) could rank pari passu with future junior senior bonds. This development may call into question the moderate probability of government support we currently consider warranted for senior unsecured debt instruments, and therefore, the bank's issuer rating because the rating is derived from the senior unsecured debt ratings.

Factors that could lead to an upgrade

- » An upgrade of Helaba's ratings would be likely in the event of an upgrade of the bank's BCA. Helaba's debt ratings could also experience upward rating pressure if the volume of the bank's subordinated instruments increases meaningfully compared with the bank's tangible banking assets, which could result in one additional notch of uplift from our LGF analysis. The deposit and senior-senior ratings already benefit from the maximum possible uplift from the LGF analysis.
- » Upward pressure on Helaba's baa2 BCA could arise from a sustainably improved Macro Profile, or from a combination of (1) a significant reduction in the bank's concentration risk, specifically with regard to CRE exposures; (2) a significant and sustained improvement in the bank's capitalisation; and (3) a further reduction in Helaba's dependence on debt capital markets as a result of more funds being available from, and because of cooperation with, a larger number of savings banks.

Factors that could lead to a downgrade

- » A downgrade of Helaba's ratings could be triggered by the following: (1) a double-notch downgrade of the bank's BCA, (2) a change in the bank's ownership structure and a deterioration in the implied creditworthiness of S-Group, (3) weakening cross-sector support assumptions, or (4) a reduction in uplift as a result of our LGF analysis.
- » Downward pressure on the bank's BCA could arise because of (1) a deterioration in the bank's financial strength, especially if followed by an unexpected and sustained weakening in its capital adequacy metrics; (2) a material deterioration in the bank's asset quality; or (3) a decline in the bank's liquidity reserves.

This publication does not announce a credit rating action. For any credit ratings referenced in this publication, please see the ratings tab on the issuer/entity page on www.moody's.com for the most updated credit rating action information and rating history.

- » We may downgrade by one notch the senior unsecured debt instrument ratings that currently incorporate one notch of government support if German legislative changes rank outstanding senior unsecured debt instruments pari passu with the future issuance of junior senior debt. For additional information, please refer to [Rating Action: Moody's affirms 22 German banks' senior unsecured debt ratings; changes 16 outlooks to negative](#) and our publication [FAQ on credit impact of changes to EU insolvency hierarchy on German bank debt](#).

Key indicators

Exhibit 2

LANDESBANK HESSEN-THUERINGEN GZ (Consolidated Financials) [1]

	12-17 ²	12-16 ²	12-15 ²	12-14 ²	12-13 ³	CAGR/Avg. ⁴
Total Assets (EUR billion)	152	157	163	170	171	-2.8 ⁵
Total Assets (USD billion)	182	165	177	205	235	-6.1 ⁵
Tangible Common Equity (EUR billion)	7.8	7.5	7.3	7.0	7.0	2.8 ⁵
Tangible Common Equity (USD billion)	9.3	7.9	8.0	8.4	9.6	-0.7 ⁵
Problem Loans / Gross Loans (%)	0.7	1.3	1.8	2.2	3.2	1.8 ⁶
Tangible Common Equity / Risk Weighted Assets (%)	15.6	14.2	13.4	12.9	12.9	14.0 ⁷
Problem Loans / (Tangible Common Equity + Loan Loss Reserve) (%)	8.0	14.2	20.4	25.6	36.1	20.9 ⁶
Net Interest Margin (%)	0.7	0.8	0.8	0.8	0.7	0.7 ⁶
PPI / Average RWA (%)	1.1	1.5	1.7	1.4	1.5	1.4 ⁷
Net Income / Tangible Assets (%)	0.2	0.2	0.3	0.2	0.2	0.2 ⁶
Cost / Income Ratio (%)	74.2	64.8	60.1	65.4	63.0	65.5 ⁶
Market Funds / Tangible Banking Assets (%)	51.3	54.2	55.3	58.5	61.2	56.1 ⁶
Liquid Banking Assets / Tangible Banking Assets (%)	34.1	33.2	36.5	39.1	41.5	36.9 ⁶
Gross Loans / Due to Customers (%)	182.2	198.8	195.3	201.0	207.3	196.9 ⁶

[1] All figures and ratios are adjusted using Moody's standard adjustments [2] Basel III - fully-loaded or transitional phase-in; IFRS [3] Basel II; IFRS [4] May include rounding differences due to scale of reported amounts [5] Compound Annual Growth Rate (%) based on time period presented for the latest accounting regime [6] Simple average of periods presented for the latest accounting regime. [7] Simple average of Basel III periods presented

Source: Moody's Financial Metrics

Profile

Landesbank Hessen-Thuringen GZ is a German universal bank, with a regional focus on its core centres in the German federal states of Hesse, Thuringia, North Rhine-Westphalia and Brandenburg. The bank operates as a central bank for 151 savings banks in the aforementioned four federal states. As of December 2017, the bank reported total consolidated assets of €158.3 billion and employed 6111 staff.

Helaba provides a range of wholesale and retail banking services to corporate and private clients, institutional customers, and central, regional and local public authorities, as well as municipal corporations. The bank distributes its products and services from its twin head offices in Frankfurt am Main and Erfurt; its branch offices in Germany, France, Sweden, the UK and the US; and its representative offices in Spain, Russia, China and Singapore. In Switzerland (Zurich), Helaba is represented through its subsidiary Frankfurter Bankgesellschaft (Schweiz) AG².

Weighted Macro Profile of Strong+

Helaba is predominantly active in Germany (for more information, please refer to our publication [Macro Profile of Germany](#)). The very high economic, institutional and governmental financial strengths, as well as the very low susceptibility to event risk, support the bank's BCA. However, operating conditions for the German banking system are constrained by high fragmentation in an oversaturated market, low fee income generation and intensifying competition for domestic business. Helaba's Strong+ Macro Profile also captures exposures to international corporate and CRE lending activities in countries with weaker Macro Profiles than Germany. An improvement in the bank's Macro Profile may strengthen its financial profile, all other things being equal.

Detailed credit considerations

Sound risk management partially mitigates the bank's high exposure to cyclical CRE risks

We assign Helaba a baa1 Asset Risk score, four notches below the aa3 Macro-Adjusted score, reflecting the bank's total loan exposure to the CRE sector. This exposure amounted to €31.4 billion as of year-end 2017 (€33.0 billion as of year-end 2016), resulting in considerable concentration risk, especially compared with the group's reported Common Equity Tier 1 (CET1) capital of €7.7 billion as of year-end 2017. Furthermore, we consider the bank's exposure to market risk.

The bank reported an improved problem loan ratio of 0.7% as of year-end 2017 (1.3% as of year-end 2016), and its risk-related charges declined further to very low levels, reflecting a benign point in the credit cycle. Despite this adjustment for the bank's sizeable concentration risks, Helaba's CRE portfolio has a sound history of low credit losses compared with that of its peers. These low credit losses are because of Helaba's focus on (1) prime locations; and (2) properties with a high level of prearranged rental agreements, combined with limited ticket sizes, which provide risk diversification. The group's corporate finance loan book is well diversified and includes (1) equal-sized lending activities with multinational corporates; (2) asset-based lending focused on aircraft and (to a limited degree) ship finance; and (3) structured and project finance, as well as leasing.

Capitalisation is on an upward trend, providing a solid loss-absorption buffer

We assign Helaba a Capital Score of a2, two notches below the aa3 Macro-Adjusted score, driven by regulatory leverage, at 4.4 as of Q1 2018. The bank benefits from sound capitalisation, which is displayed by its fully loaded Basel III CET1 and total capital ratios of 15.4% and 21.8%, respectively, as of December 2017 (year-end 2016: 14.3% and 20.5%, respectively). Drivers of the upward trend, which is providing an increasing buffer to investors, are both profit retention and measures to contain risk-weighted assets, as reflected in a significant reduction in trading activities in recent years. For the first quarter of 2018, the bank reported fully loaded Basel III CET1 and total capital ratios of 15.7% and 21.9%, respectively, mainly driven by a positive IFRS9 effect of 0.7%.

The bank's CET1 ratio is significantly above the required CET1 ratio of 8.89%, which the regulator determined following the Supervisory Review and Evaluation Process. We additionally take into consideration the bank's balance sheet leverage ratio of 4.9% (4.7% as of year-end 2016), as well as our expectations regarding the upcoming challenges for the bank's capitalisation owing to upcoming regulatory changes.

Level of risk-weighted profitability is low and declining

We assign Helaba a Profitability Score of ba3, one notch above the Macro-Adjusted b1 score, based on the bank's high-quality earnings over the past several years. We expect Helaba to continue to show fairly stable operating performance and profitability because of positive effects from the integration of Verbundbank (the central bank business of former WestLB for savings banks in North Rhine-Westphalia and Brandenburg), despite exposure to market volatility. However, regulation-related expenses will continue to burden Helaba's operating costs, while the low-yield environment will strain the bank's interest income. Helaba's performance metrics will remain modest (as a result of the group's statutory obligation to perform promotional banking activities, which are run on a cost-coverage basis rather than on return targets), but will provide a stable revenue source.

In Q1 2018, Helaba reported a slightly improved pretax profit of €79 million, up from €75 million in Q1 2017. The key driver for this improvement was the positive fair value change on financial instruments (+€11 million instead of -€68 million), balancing the pressure from a lower net interest income of €256 million (down from €275 million for the same period a year earlier), lower pre-provision income of €86 million (down from €91 million) and a lower trading income of €41 million (down from €72 million).

In 2017, Helaba reported a pretax profit of €447 million (IFRS), down 18.6% from year-end 2016. Driven by the low interest rate environment, the bank's net interest income declined further by a significant 11.1% to €1.1 billion (€1.2 billion as of year-end 2016). Helaba derived income from the net reversal of loan-loss provisions of €56 million (€154 million expenses in 2016), along with higher fee and commission income (slightly up at €354 million). More volatile profit contributors such as fair-value changes on financial instruments and derivatives (-€118 million compared with a positive contribution of €51 million in the previous year) further strained the results, while customer-driven trading income was higher (€268 million compared with €146 million for 2016). The profit decline was also driven by impairment losses, which covered the full write-off of the goodwill of Frankfurter Sparkasse, Helaba's local savings bank subsidiary.

Strong liquidity and funding from savings banks mitigate wholesale funding dependence

Our assigned Funding Structure score of ba2 stands four notches above the Macro-Adjusted b3 score. Helaba partially depends on confidence-sensitive wholesale funding for a part of its lending business and is presently a net lender in the interbank market. The bank's proven and recurring access to the considerable excess liquidity of the regional savings banks and good access to debt capital markets, even in times of stress, are balancing factors.

Notably, funding requirements are likely to remain stable over the foreseeable future, given the bank's broadly matched funding profile for its medium- and long-term lending business. The bank typically issues €12 billion-€15 billion in medium- and long-term debt instruments per year (2017: €17.5 billion), placed with a broad and diversified investor base. Covered bonds will account for €5 billion of the planned issuance in 2018, with senior unsecured bonds accounting for €8 billion. A growing portion of Helaba's issued unsecured wholesale debt has been placed with savings banks and their retail clients. To capture these benefits, we have positively adjusted our Funding Structure score to ba1.

The assigned a3 Liquid Resources score is one notch below the Macro-Adjusted a2 score, which reflects our consideration of asset encumbrance, intragroup restrictions and the quality of liquid assets. The bank's liquid resources consisted of €20.9 billion in cash as of year-end 2017, a €23.8 billion securities portfolio and €7.0 billion in liquid trading assets.

Support and structural considerations

Affiliate support

Helaba benefits from cross-sector support from S-Group, which reduces the probability of default. Therefore, support would be available to stabilise a distressed member bank and not just to compensate for losses in resolution. The unchanged high support assumption assigned to Helaba reflects the bank's prominent service function for the sector, majority ownership by S-Group members and cross-liability scheme. As a result, cross-sector support provides one notch of rating uplift to Helaba's debt, senior-senior deposits and subordinated instrument ratings.

Loss Given Failure analysis

Helaba is subject to the German Bank Recovery and Resolution Directive, which we consider an operational resolution regime. We, therefore, apply our Advanced LGF analysis, considering the risks faced by the different debt and deposit classes across the liability structure at failure. We revised this analysis to reflect changes in protection resulting from the subordination of certain senior unsecured debt obligations compared with other senior liabilities, including deposits. In line with the German insolvency legislation that subordinates senior unsecured bonds and notes to deposits and senior-senior debt in resolution since January 2017, we base our calculation on the assumption that deposits and senior-senior unsecured bonds are preferred to senior unsecured bonds. We continue to assume residual tangible common equity of 3% and post-failure losses of 8% of tangible banking assets, a 25% runoff in junior wholesale deposits, a 5% runoff in preferred deposits, and following the legislative changes, a 100% probability of certain deposits being preferred to senior unsecured debt, according to our EU Full Deposit Preference waterfall.

For Helaba, our LGF analysis indicates an extremely low loss given failure for deposits and a very low loss given failure for senior unsecured debt, leading us to position their ratings three and two notches above the Adjusted BCA, respectively. For senior-senior unsecured debt, our LGF analysis indicates an extremely low loss given failure, leading us to position its rating three notches above the Adjusted BCA.

Our LGF analysis indicates a high loss given failure for subordinated debt classes, leading us to position the instrument's ratings one notch below the bank's baa1 Adjusted BCA. Subordinated debt instruments do not benefit from any government support.

Helaba's silent participations (non-cumulative preferred securities), issued by Main Capital Funding Limited Partnership and Main Capital Funding II Limited Partnership, are rated Ba1(hyb), three notches below the bank's Adjusted BCA, reflective of the instruments' net loss triggers.

Government support considerations

Given its size on a consolidated basis, we consider S-Group to be domestically systemically relevant. We, therefore, attribute a moderate likelihood of German government support for all members of the sector, in line with support assumptions for other

systemically relevant banking groups in Europe. For Helaba, this assumption results in one notch of additional government support uplift for its senior debt and deposit ratings.

Counterparty Risk Assessment (CRA)

CR Assessments are opinions of how counterparty obligations are likely to be treated if a bank fails and are distinct from debt and deposit ratings in that they (1) consider only the risk of default rather than both the likelihood of default and the expected financial loss suffered in the event of default, and (2) apply to counterparty obligations and contractual commitments rather than debt or deposit instruments. The CR Assessment is an opinion of the counterparty risk related to a bank's covered bonds, contractual performance obligations (servicing), derivatives (for example, swaps), letters of credit, guarantees and liquidity facilities.

Helaba's CR Assessment is positioned at Aa3(cr)/Prime-1(cr)

For Helaba, our LGF analysis indicates an extremely low loss given failure for the CR Assessment, leading us to position its Preliminary Rating Assessment three notches above the Adjusted BCA.

Counterparty Risk Ratings (CRRs)

CRRs are opinions of the ability of entities to honor the uncollateralized portion of non-debt counterparty financial liabilities (CRR liabilities) and also reflect the expected financial losses in the event such liabilities are not honored. CRRs are distinct from ratings assigned to senior unsecured debt instruments and from issuer ratings because they reflect that, in a resolution, CRR liabilities might benefit from preferential treatment compared with senior unsecured debt. Examples of CRR liabilities include the uncollateralized portion of payables arising from derivatives transactions and the uncollateralized portion of liabilities under sale and repurchase agreements.

Helaba's CRRs is positioned at Aa3/P-1

The CRRs, prior to government support, are positioned three notches above the bank's baa1 Adjusted BCA, reflecting the extremely low loss-given-failure from the high volume of instruments that are subordinated to CRR liabilities.

Helaba's CRRs benefit from one notch of rating uplift based on government support, in line with our assumptions on deposits and senior unsecured debt.

About Moody's Bank Scorecard

Our scorecard is designed to capture, express and explain in summary form our Rating Committee's judgement. When read in conjunction with our research, a fulsome presentation of our judgment is expressed. As a result, the output of our scorecard may materially differ from that suggested by raw data alone (though it has been calibrated to avoid the frequent need for strong divergence). The scorecard output and the individual scores are discussed in rating committees and may be adjusted up or down to reflect conditions specific to each rated entity.

Rating methodology and scorecard factors

Exhibit 3

LANDESBANK HESSEN-THUERINGEN GZ

Macro Factors

Weighted Macro Profile Strong + 100%

Factor	Historic Ratio	Macro Adjusted Score	Credit Trend	Assigned Score	Key driver #1	Key driver #2
Solvency						
Asset Risk						
Problem Loans / Gross Loans	1.3%	aa3	↓↓	baa1	Sector concentration	Market risk
Capital						
TCE / RWA	15.6%	aa3	← →	a2	Risk-weighted capitalisation	Nominal leverage
Profitability						
Net Income / Tangible Assets	0.2%	b1	← →	ba3	Earnings quality	Expected trend
Combined Solvency Score		a2		baa1		
Liquidity						
Funding Structure						
Market Funds / Tangible Banking Assets	51.3%	b3	↑↑	ba2	Market funding quality	Expected trend
Liquid Resources						
Liquid Banking Assets / Tangible Banking Assets	34.1%	a2	↓↓	a3	Quality of liquid assets	Asset encumbrance
Combined Liquidity Score		ba2		baa3		
Financial Profile						
Business Diversification				0		
Opacity and Complexity				0		
Corporate Behavior				0		
Total Qualitative Adjustments				0		
Sovereign or Affiliate constraint:				Aaa		
Scorecard Calculated BCA range				baa1-baa3		
Assigned BCA				baa2		
Affiliate Support notching				1		
Adjusted BCA				baa1		

Debt class	De Jure waterfall		De Facto waterfall		Notching		LGF Notching Guidance vs. Adjusted BCA	Assigned LGF notching	Additional notching	Preliminary Rating Assessment
	Instrument volume + subordination	Sub-ordination	Instrument volume + subordination	Sub-ordination	De Jure	De Facto				
Counterparty Risk Assessment	--	--	--	--	--	--	--	3	0	a1 (cr)
Senior senior unsecured bank debt	--	--	--	--	--	--	--	3	0	a1
Deposits	--	--	--	--	--	--	--	3	0	a1
Senior unsecured bank debt	--	--	--	--	--	--	--	2	0	a2
Dated subordinated bank debt	--	--	--	--	--	--	--	-1	0	baa2

Instrument class	Loss Given Failure notching	Additional Notching	Preliminary Rating Assessment	Government Support notching	Local Currency Rating	Foreign Currency Rating
Counterparty Risk Assessment	3	0	a1 (cr)	1	Aa3 (cr)	--
Senior senior unsecured bank debt	3	0	a1	1	Aa3	--
Deposits	3	0	a1	1	Aa3	Aa3
Senior unsecured bank debt	2	0	a2	1	A1	--
Dated subordinated bank debt	-1	0	baa2	0	Baa2	--

Source: Moody's Financial Metrics

Ratings

Exhibit 4

Category	Moody's Rating
LANDESBANK HESSEN-THUERINGEN GZ	
Outlook	Stable(m)
Counterparty Risk Rating	Aa3/P-1
Bank Deposits	Aa3/P-1
Baseline Credit Assessment	baa2
Adjusted Baseline Credit Assessment	baa1
Counterparty Risk Assessment	Aa3(cr)/P-1(cr)
Issuer Rating -Dom Curr	A1
Senior Senior Unsecured -Dom Curr	Aa3
Senior Unsecured -Dom Curr	A1
Subordinate -Dom Curr	Baa2
Commercial Paper -Dom Curr	P-1
MAIN CAPITAL FUNDING II LIMITED PARTNERSHIP	
Pref. Stock Non-cumulative	Ba1 (hyb)
MAIN CAPITAL FUNDING LIMITED PARTNERSHIP	
Pref. Stock Non-cumulative	Ba1 (hyb)

Source: Moody's Investors Service

Endnotes

- [1](#) The rating shown is S-Group's corporate family rating and outlook, and its BCA.
- [2](#) For further details, please refer to Helaba's [Company profile](#) and the [German Banking System Profile](#).

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