

CREDIT OPINION

23 March 2017

Update

Rate this Research >>

RATINGS

Banco BBM S.A.

Domicile	Rio de Janeiro, Rio de Janeiro, Brazil
Long Term Debt	Ba1
Type	Senior Unsecured - Dom Curr
Outlook	Stable
Long Term Deposit	Ba3
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.

Contacts

Alcir Freitas 55-11-3043-7308
Senior Credit Officer
alcir.freitas@moodys.com

Ceres Lisboa 55-11-3043-7317
Senior Vice President
ceres.lisboa@moodys.com

Aaron Freedman 52-55-1253-5713
Associate Managing Director
aaron.freedman@moodys.com

Rafael B Amaral 55-11-3043-6065
Associate Analyst
rafael.amaral@moodys.com

Banco BBM S.A.

Update Following Change in Ratings Outlook to Stable

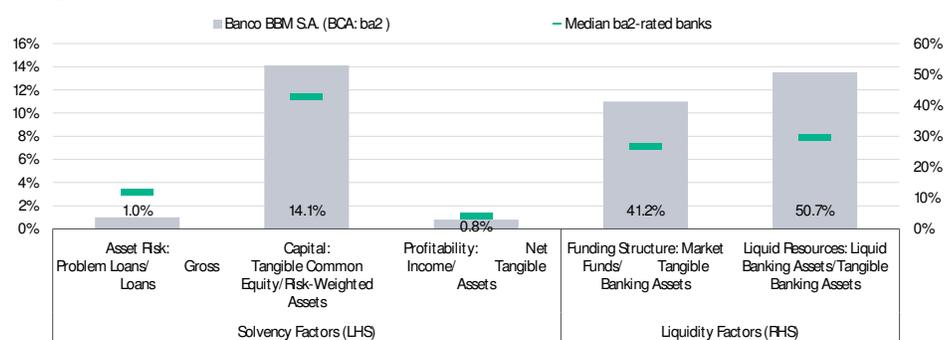
Summary Rating Rationale

BBM's baseline credit assessment of ba2 is positively weighted by its asset risk, evidenced by low historical losses, while the increasing borrower concentration arising from the higher focus on large corporations may be offset by better risk profile of customers. At the same time, profitability could be positively influenced by the lower cost of funds and higher gains of scale, which is expected to offset the potential credit cost fluctuation arising from loan book concentration. Capital is expected to accommodate at still solid levels despite the increasing anticipated leverage. BBM's reliance on market funds is expected to remain high, but the bank will likely have access to a wider pool of investors, and it may even benefit from new funding facilities provided by the parent.

BBM's long-term local currency deposit and senior unsecured debt ratings of Ba1 derive from its adjusted BCA of ba1, which incorporate a one-notch uplift from its BCA of ba2. It reflects the high level of affiliate support from China's Bank Communication Co., Ltd. (BoCom), given the majority ownership stake of 80%, acquired in November 2016, as well as the strategic importance of the subsidiary. We also assign a Ba3 long-term foreign currency deposit rating, which is constrained by the country ceiling.

Exhibit 1

Rating Scorecard - Key Financial Ratios



Source: Moody's Financial Metrics

Credit Strengths

- » Asset risk supported by effective credit risk management, while the higher expected borrower concentration will be offset by improved risk profile
- » Capital is expected to accommodate at solid levels despite increased leverage

Credit Challenges

- » Market funding reliance is partially offset by sizeable cash position and by the likely access to facilities from the parent
- » Profitability is subject to volatility given the intrinsic borrower concentration from its loan portfolio, while it may be offset by lower cost of funds and gains of scale

Rating Outlook

On 16 March 2017, all ratings assigned to BBM had the outlook changed to stable, from negative, following the change in the outlook on the sovereign bond rating announced on 15 March 2017. At the same time, the stable outlook reflects our expectation that the bank's solvency and liquidity will remain consistent with its current BCA following the expected changes under BoCom's controlling ownership.

Factors that Could Lead to an Upgrade

- » BBM's ratings could be upgraded if the support assumptions or parent bank's BCA are raised.
- » BBM's ba2 BCA is unlikely to be upgraded because it is already positioned at the same level of the sovereign bond rating.

Factors that Could Lead to a Downgrade

- » BBM's ratings could be downgraded if Brazil's sovereign rating and its country ceilings are downgraded. Also, a multi-notch downgrade on BoCom's BCA could lead to a downgrade on BBM's ratings.
- » BBM's ratings could also be downgraded if its BCA is lowered, which could be associated with higher-than-expected deterioration of its capital position and asset risk profile, following the new strategic focus and an eventual higher balance sheet leverage.

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.

Key Indicators

Exhibit 2

Banco BBM S.A. (Consolidated Financials) [1]

	12-16 ²	12-15 ²	12-14 ²	12-13 ²	12-12 ³	Avg. ⁴
Total Assets (BRL billion)	4.1	3.8	3.1	3.2	2.7	11.0 ⁴
Total Assets (USD billion)	1.3	1.0	1.2	1.4	1.3	-1.2 ⁴
Tangible Common Equity (BRL billion)	0.6	0.6	0.6	0.6	0.5	1.7 ⁴
Tangible Common Equity (USD billion)	0.2	0.1	0.2	0.2	0.3	-9.4 ⁴
Problem Loans / Gross Loans (%)	1.0	0.9	0.2	1.0	0.1	0.7 ⁵
Tangible Common Equity / Risk Weighted Assets (%)	14.1	13.3	18.5	21.3	19.2	16.8 ⁶
Problem Loans / (Tangible Common Equity + Loan Loss Reserve) (%)	2.2	2.1	0.5	2.0	0.3	1.4 ⁵
Net Interest Margin (%)	3.7	3.4	3.7	5.7	5.2	4.4 ⁵
PPI / Average RWA (%)	1.5	1.2	1.6	3.9	2.3	2.1 ⁶
Net Income / Tangible Assets (%)	0.8	1.1	1.4	1.5	1.6	1.3 ⁵
Cost / Income Ratio (%)	60.3	66.7	61.5	46.9	55.4	58.2 ⁵
Market Funds / Tangible Banking Assets (%)	41.2	58.1	44.9	13.2	50.4	41.6 ⁵
Liquid Banking Assets / Tangible Banking Assets (%)	50.7	58.1	47.6	43.8	43.9	48.8 ⁵
Gross loans / Due to customers (%)	77.8	143.8	174.9	90.8	199.8	137.4 ⁵

[1] All figures and ratios are adjusted using Moody's standard adjustments [2] Basel III - fully-loaded or transitional phase-in; LOCAL GAAP [3] Basel II; LOCAL GAAP [4] Compound Annual Growth Rate (%). Any interim period amounts presented are assumed to be fiscal year end amounts for calculation purposes [5] Simple average of periods presented [6] Simple average of Basel III periods presented

Source: Moody's Financial Metrics

Detailed Rating Considerations

HIGHER BORROWER CONCENTRATION WILL BE OFFSET BY IMPROVED RISK PROFILE OF CUSTOMERS

We score asset risk as baa3, which reflects its low historical problem loan ratios and reduced charge offs, supported by strict underwriting standards. Also, it factors the bank's expanded focus on large corporations, therefore increasing borrower concentration, which is expected to be offset by its improved access to customers with a better risk profile.

The completion of the acquisition by BoCom will likely result in BBM expanding its loan book, as it takes advantage of a new potential universe of borrowers, including large corporate and Chinese companies, and a recovering credit demand, following years of very conservative risk management. As the bank targets large corporations, its consistently strong asset quality may improve further, although the risk of increasing loan concentration may add volatility to asset risk and earnings.

BBM's total credit exposure, including guarantees, amounted to BRL1.9 billion, and increased by 24% in the twelve months ended in December 2016, driven by its efforts to increase credit leverage. In December 2016 the bank maintained a low problem loan ratio of 1.0%, almost in line with the 0.9% ratio from a year before, and very high reserve coverage. Also, it has maintained its low historical losses despite the adverse credit environment, recorded by a 0.3% net charge-offs to average loans in the year ended in 2016.

Strong credit underwriting policies and entrenched controls have protected the bank from credit and market risk disruptions through economic cycles. Historically, BBM has had low NPL ratios, supported by a rigid and recognized risk management architecture and control parameters that have proven capable of supporting the bank's risk appetite as well as collateralization of the portfolio in previous bad cycles.

At the same time, we note that the bank's portfolio is relatively concentrated, with the 20 largest borrowers representing 39% of total exposure in December 2016, and 131% of tangible common equity.

CAPITAL WILL ACCOMMODATE AT SOLID LEVELS DESPITE HIGHER LEVERAGE

We score capital as ba2, which takes into consideration its current position and the capital consumption arising from the expected increase in its leverage.

We expect the bank to leverage its balance sheet, leading to capitalization ratios that will be lower than the current 14.1% tangible common equity to risk weighted assets, and the 21.3% regulatory common equity tier 1 ratio. However, its capital position is likely to accommodate at still solid levels.

PROFITABILITY MAY BE IMPACTED BY BORROWER CONCENTRATION WHILE POSITIVELY INFLUENCED BY LOWER COST OF FUNDS AND HIGHER SCALE

We score profitability as ba1, which factors the potential incremental pressures from higher loan loss provisions, which are expected to be counterbalanced by lower cost of funds and higher gains of scale.

Profitability is expected to be positively impacted by the lower cost of funds, and by the greater scale that the bank will gain as it grows its balance sheet size while keeping almost the same administrative infrastructure. However, profitability may be partially offset by the lower yield of lending to the new targeted companies, and by the higher risk of credit cost fluctuation from the increased borrower concentration.

In fiscal year ended in December 2016 the net income to tangible banking assets fell to 0.8%, versus 1.15% in 2015, on the back of higher credit costs. Loan loss provisions amounted to BRL 32.9 million in 2016, up from BRL 14.8 million in 2015. The higher credit costs were partially offset by the bank's ability to increase credit spreads, evidenced by the 3.7% net interest margin in 2016, versus 3.4% in 2015.

HIGH MARKET FUNDS RELIANCE MITIGATED BY DEFENSIVE LIQUIDITY MANAGEMENT

We score combined liquidity as ba3, which factors the bank's high reliance on market funding, but also offset by a large amount of liquid assets and a favorable tenor gap in its balance sheet.

BBM's reliance on market funds is expected to remain high, but the bank will likely have access to a wider pool of investors, and it may even benefit from new funding facilities provided by the parent. This will support BBM's expanded strategic focus, enabling the bank to appropriately manage its liquidity in response to a likely extension of its assets duration.

BBM reliance on market funds is evidenced the concentration of its deposit base, which increased slightly with the 20 largest investors accounting for 69% of total deposits in December 2016. However, it is mitigated by BBM's tight gap controls and conservative hedging policies, which are part of the bank's asset & liability management standards. The bank has been managing tenor gaps and costs by issuing local currency banknotes "letras financeiras" (minimum 2-year tenor) and other asset-backed securities such as agribusiness linked notes and RMBS, taking advantage of increased demand for fixed income bonds, which in some cases have lower costs because banks are not required to place reserve requirements at the Central Bank. These local currency instruments accounted for BRL 1.2 billion in December 2016, representing about 39% of funding mix. Also, although the bank has limited reliance on foreign currency lines, representing 22% of total funding, mainly consisted of a term line from IFC, it is expected to increase as it gains access to a wider pool of investors.

The bank's large position in government securities works as a cushion in times of stress together with a conservative cash policy, which is comfortable and meets the bank's 180-day horizon obligations. BBM also adopts strong rules that prioritize the duration of deposits that allow the bank to work with no liquidity gap, different from most of its peer's.

BANCO BBM'S BCA IS SUPPORTED BY ITS MACRO PROFILE OF MODERATE

Brazil's macro profile is Moderate, reflecting the country's large and diversified economy, the combination of ongoing economic recession, persistently high inflation and difficult political scenario increases challenges to Brazilian banks' operating environment. The pace of growth have reduced significantly in 2015 and the tightening monetary policy allowed banks to raise lending rates in 2015, which relieved part of the earnings pressure arising from asset risks. Public banks hold a 56% share of Brazil's loan market, which is reflected in the adjustment for industry structure. Capital and funding will remain adequate, and exposure to international capital markets will remain low. External vulnerability is also limited by Brazil's sizeable international reserves, which reduce the country's sensitivity to external shocks, such as sudden stops in capital flows. The change in the Macro Profile to Moderate led to changes in the macro adjusted scores of the bank's scorecard as per the bank methodology.

Notching Considerations

Given the absence in Brazil of an operational going-concern resolution regime (ORR) wherein banks are resolved by bailing-in creditors, the impact of failure on a bank's different debt classes absent government support (i.e. bail-out) is unclear as we believe that resolution procedures will be determined on an ad-hoc basis, rather than being clearly defined ex ante. The expected loss of each debt class is derived from a standardized instrument notching for all non-ORR banks.

Affiliate Support

We believe there is a high probability of affiliate support for BBM from its controlling bank, Bank of Communications Co. Ltd. (BoCom), given its majority ownership stake and the strategic importance that the Brazilian subsidiary may have to its controlling bank. BoCom is expected to appoint executives to certain key positions at the bank and will closely engage in the subsidiary's strategic decision making process, including BBM's support to operations of Chinese related companies in Brazil. Therefore, in applying the joint-default analysis, BBM's adjusted BCA of ba1 has a one-notch uplift from its ba2 BCA.

Government Support

BBM's local currency deposit and senior unsecured ratings of Ba1 derive from its ba1 adjusted BCA, and do not benefit from government support uplift given the bank's modest market share of domestic deposits.

Counterparty Risk Assessment

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 (e.g., swaps), letters of credit, guarantees and liquidity facilities.

BBM's CR Assessment is positioned at Baa3(cr), which is one-notch above the bank's Adjusted BCA of ba1, and, therefore, above the deposit rating of the bank, reflecting Moody's view that its probability of default is lower at the operating obligations than of deposits. BBM's CR Assessment does not benefit from government support, as the government support is not incorporated in the bank's deposit ratings.

About Moody's Bank Scorecard

Our Scorecard is designed to capture, express and explain in summary form our Rating Committee's judgment. 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

Banco BBM S.A.

Macro Factors

Weighted Macro Profile	Moderate	100%
-------------------------------	-----------------	-------------

Factor	Historic Ratio	Macro Adjusted Score	Credit Trend	Assigned Score	Key driver #1	Key driver #2
Solvency						
Asset Risk						
Problem Loans / Gross Loans	1.0%	baa1	← →	baa3	Sector concentration	
Capital						
TCE / RWA	14.1%	baa1	↓↓	ba2	Expected trend	
Profitability						
Net Income / Tangible Assets	0.8%	ba1	← →	ba1	Expected trend	
Combined Solvency Score		baa2		ba1		
Liquidity						
Funding Structure						
Market Funds / Tangible Banking Assets	41.2%	b3	← →	b3	Market funding quality	
Liquid Resources						
Liquid Banking Assets / Tangible Banking Assets	50.7%	a3	← →	baa2	Quality of liquid assets	
Combined Liquidity Score		ba2		ba3		
Financial Profile				ba2		
Business Diversification				0		
Opacity and Complexity				0		
Corporate Behavior				0		
Total Qualitative Adjustments				0		
Sovereign or Affiliate constraint:				Ba2		
Scorecard Calculated BCA range				ba1-ba3		
Assigned BCA				ba2		
Affiliate Support notching				--		
Adjusted BCA				ba1		

Instrument class	Loss Given Failure notching	Additional Notching	Preliminary Rating Assessment	Government Support notching	Local Currency Rating	Foreign Currency Rating
Counterparty Risk Assessment	1	0	baa3 (cr)	0	Baa3 (cr)	--
Deposits	0	0	ba1	0	Ba1	Ba3
Senior unsecured bank debt	0	0	ba1	0	Ba1	--

Source: Moody's Financial Metrics

Ratings

Exhibit 4

Category	Moody's Rating
BANCO BBM S.A.	
Outlook	Stable
Bank Deposits -Fgn Curr	Ba3/NP
Bank Deposits -Dom Curr	Ba1/NP
NSR Bank Deposits	Aaa.br/BR-1
Baseline Credit Assessment	ba2
Adjusted Baseline Credit Assessment	ba1
Counterparty Risk Assessment	Baa3(cr)/P-3(cr)
Senior Unsecured -Dom Curr	Ba1

NSR Senior Unsecured
Source: Moody's Investors Service

Aaa.br

© 2017 Moody's Corporation, Moody's Investors Service, Inc., Moody's Analytics, Inc. and/or their licensors and affiliates (collectively, "MOODY'S"). All rights reserved.

CREDIT RATINGS ISSUED BY MOODY'S INVESTORS SERVICE, INC. AND ITS RATINGS AFFILIATES ("MIS") ARE MOODY'S CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES, AND MOODY'S PUBLICATIONS MAY INCLUDE MOODY'S CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES. MOODY'S DEFINES CREDIT RISK AS THE RISK THAT AN ENTITY MAY NOT MEET ITS CONTRACTUAL, FINANCIAL OBLIGATIONS AS THEY COME DUE AND ANY ESTIMATED FINANCIAL LOSS IN THE EVENT OF DEFAULT. CREDIT RATINGS DO NOT ADDRESS ANY OTHER RISK, INCLUDING BUT NOT LIMITED TO: LIQUIDITY RISK, MARKET VALUE RISK, OR PRICE VOLATILITY. CREDIT RATINGS AND MOODY'S OPINIONS INCLUDED IN MOODY'S PUBLICATIONS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT. MOODY'S PUBLICATIONS MAY ALSO INCLUDE QUANTITATIVE MODEL-BASED ESTIMATES OF CREDIT RISK AND RELATED OPINIONS OR COMMENTARY PUBLISHED BY MOODY'S ANALYTICS, INC. CREDIT RATINGS AND MOODY'S PUBLICATIONS DO NOT CONSTITUTE OR PROVIDE INVESTMENT OR FINANCIAL ADVICE, AND CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT AND DO NOT PROVIDE RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITIES. NEITHER CREDIT RATINGS NOR MOODY'S PUBLICATIONS COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR INVESTOR. MOODY'S ISSUES ITS CREDIT RATINGS AND PUBLISHES MOODY'S PUBLICATIONS WITH THE EXPECTATION AND UNDERSTANDING THAT EACH INVESTOR WILL, WITH DUE CARE, MAKE ITS OWN STUDY AND EVALUATION OF EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE, HOLDING, OR SALE.

MOODY'S CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT INTENDED FOR USE BY RETAIL INVESTORS AND IT WOULD BE RECKLESS AND INAPPROPRIATE FOR RETAIL INVESTORS TO USE MOODY'S CREDIT RATINGS OR MOODY'S PUBLICATIONS WHEN MAKING AN INVESTMENT DECISION. IF IN DOUBT YOU SHOULD CONTACT YOUR FINANCIAL OR OTHER PROFESSIONAL ADVISER. ALL INFORMATION CONTAINED HEREIN IS PROTECTED BY LAW, INCLUDING BUT NOT LIMITED TO, COPYRIGHT LAW, AND NONE OF SUCH INFORMATION MAY BE COPIED OR OTHERWISE REPRODUCED, REPACKAGED, FURTHER TRANSMITTED, TRANSFERRED, DISSEMINATED, REDISTRIBUTED OR RESOLD, OR STORED FOR SUBSEQUENT USE FOR ANY SUCH PURPOSE, IN WHOLE OR IN PART, IN ANY FORM OR MANNER OR BY ANY MEANS WHATSOEVER, BY ANY PERSON WITHOUT MOODY'S PRIOR WRITTEN CONSENT.

All information contained herein is obtained by MOODY'S from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained herein is provided "AS IS" without warranty of any kind. MOODY'S adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MOODY'S considers to be reliable including, when appropriate, independent third-party sources. However, MOODY'S is not an auditor and cannot in every instance independently verify or validate information received in the rating process or in preparing the Moody's publications.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability to any person or entity for any indirect, special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such information, even if MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers is advised in advance of the possibility of such losses or damages, including but not limited to: (a) any loss of present or prospective profits or (b) any loss or damage arising where the relevant financial instrument is not the subject of a particular credit rating assigned by MOODY'S.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability for any direct or compensatory losses or damages caused to any person or entity, including but not limited to by any negligence (but excluding fraud, willful misconduct or any other type of liability that, for the avoidance of doubt, by law cannot be excluded) on the part of, or any contingency within or beyond the control of, MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers, arising from or in connection with the information contained herein or the use of or inability to use any such information.

NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY SUCH RATING OR OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER.

Moody's Investors Service, Inc., a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MCO"), hereby discloses that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by Moody's Investors Service, Inc. have, prior to assignment of any rating, agreed to pay to Moody's Investors Service, Inc. for appraisal and rating services rendered by it fees ranging from \$1,500 to approximately \$2,500,000. MCO and MIS also maintain policies and procedures to address the independence of MIS's ratings and rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold ratings from MIS and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at www.moody's.com under the heading "Investor Relations — Corporate Governance — Director and Shareholder Affiliation Policy."

Additional terms for Australia only: Any publication into Australia of this document is pursuant to the Australian Financial Services License of MOODY'S affiliate, Moody's Investors Service Pty Limited ABN 61 003 399 657 AFSL 336969 and/or Moody's Analytics Australia Pty Ltd ABN 94 105 136 972 AFSL 383569 (as applicable). This document is intended to be provided only to "wholesale clients" within the meaning of section 761G of the Corporations Act 2001. By continuing to access this document from within Australia, you represent to MOODY'S that you are, or are accessing the document as a representative of, a "wholesale client" and that neither you nor the entity you represent will directly or indirectly disseminate this document or its contents to "retail clients" within the meaning of section 761G of the Corporations Act 2001. MOODY'S credit rating is an opinion as to the creditworthiness of a debt obligation of the issuer, not on the equity securities of the issuer or any form of security that is available to retail investors. It would be reckless and inappropriate for retail investors to use MOODY'S credit ratings or publications when making an investment decision. If in doubt you should contact your financial or other professional adviser.

Additional terms for Japan only: Moody's Japan K.K. ("MJKK") is a wholly-owned credit rating agency subsidiary of Moody's Group Japan G.K., which is wholly-owned by Moody's Overseas Holdings Inc., a wholly-owned subsidiary of MCO. Moody's SF Japan K.K. ("MSFJ") is a wholly-owned credit rating agency subsidiary of MJKK. MSFJ is not a Nationally Recognized Statistical Rating Organization ("NRSRO"). Therefore, credit ratings assigned by MSFJ are Non-NRSRO Credit Ratings. Non-NRSRO Credit Ratings are assigned by an entity that is not a NRSRO and, consequently, the rated obligation will not qualify for certain types of treatment under U.S. laws. MJKK and MSFJ are credit rating agencies registered with the Japan Financial Services Agency and their registration numbers are FSA Commissioner (Ratings) No. 2 and 3 respectively.

MJKK or MSFJ (as applicable) hereby disclose that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by MJKK or MSFJ (as applicable) have, prior to assignment of any rating, agreed to pay to MJKK or MSFJ (as applicable) for appraisal and rating services rendered by it fees ranging from JPY200,000 to approximately JPY350,000,000.

MJKK and MSFJ also maintain policies and procedures to address Japanese regulatory requirements.

REPORT NUMBER 1065333

Contacts

Ceres Lisboa 55-11-3043-7317
Senior Vice President
 ceres.lisboa@moodys.com

Rafael B Amaral 55-11-3043-6065
Associate Analyst
 rafael.amaral@moodys.com

M. Celina Vansetti 212-553-4845
*Managing Director -
 Banking*
 celina.vansetti-hutchins@moodys.com

Alcir Freitas 55-11-3043-7308
Senior Credit Officer
 alcir.freitas@moodys.com

Aaron Freedman 52-55-1253-5713
*Associate Managing
 Director*
 aaron.freedman@moodys.com

CLIENT SERVICES

Americas 1-212-553-1653

Asia Pacific 852-3551-3077

Japan 81-3-5408-4100

EMEA 44-20-7772-5454