MOODY'S INVESTORS SERVICE

CREDIT OPINION

22 March 2018

New Issue

RATINGS

Mediobanca S.p.A.

Domicile	Italy
Long Term Issuer Rating	Baa1
Outlook	Stable
Long Term Deposit	A3
Туре	LT Bank Deposits - Fgn Curr
Outlook	Negative

Please see the <u>ratings section</u> at the end of this report for more information. The ratings and outlook shown reflect information as of the publication date.

Analyst Contacts

Edoardo Calandro VP-Senior Analyst edoardo.calandro@moody	+44.20.7772.1097 ys.com
Maria Jose Mori VP-Sr Credit Officer mariajose.mori@moodys.o	+34.91.768.8227
Alain Laurin Associate Managing Director alain.laurin@moodys.com	+33.1.5330.1059

Nick Hill MD-Banking nick.hill@moodys.com

+33.1.5330.1029

Valentino Balletta+44.20.7772.1744Associate Analyst

valentino.balletta@moodys.com

Mediobanca S.p.A.

New Issuer

Summary

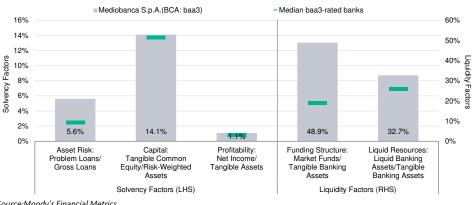
Mediobanca S.p.A.'s (Mediobanca) A3 bank deposit and Baa1 issuer rating reflect the bank's standalone creditworthiness (baa3), extremely low and very low loss-given-failure respectively, and our assessment of a low probability of government support.

The bank's baa3 standalone baseline credit assessment (BCA) reflects the bank's good capitalisation sound and diversified profitability, as well as its reliance on wholesale funding, and high borrower concentration. The BCA also takes account of the bank's large stake in <u>Assicurazioni Generali S.p.A.</u> (Generali, Insurance Financial Strength rating Baa1 with stable outlook). This exposes Mediobanca to idiosyncratic risk, mitigated in part by the liquidity of the investment and its contribution to earnings

The outlook on the long-term bank deposit rating is negative, while the outlook on the long-term issuer rating is stable.

Exhibit 1

Rating Scorecard - Key Financial Ratios



Source:Moody's Financial Metrics

Credit strengths

- » Good capitalisation, with large buffers over prudential requirements
- » Sound and diversified profitability

Credit challenges

- » Reliance on wholesale funding
- » High borrower concentration and large stake in Generali

Rating outlook

The outlook on Mediobanca's A3 bank deposit rating is negative, mirroring the negative outlook on the <u>Government of Italy</u>'s Baa2 rating, assigned on <u>7 December 2016</u> and maintained on <u>6 October 2017</u>. In accordance with our Banks methodology, bank ratings are typically no more than two notches above the sovereign bond rating, reflecting our view that the expected loss of rated bank instruments is unlikely to be significantly lower than that of the sovereign's own debt.

The outlook on Mediobanca's Baa1 issuer rating is stable, reflecting our expectation that the bank's main financials will remain broadly stable in the next 12-18 months, and that the Italian and European economy will continue to grow at a moderate pace.

Factors that could lead to an upgrade

Mediobanca's BCA could be upgraded given lower concentration risk, a reduction in capital market activities, an increase in capital ratios above the bank's targets, or a move to a more diversified funding profile with longer maturities. An upgrade of the BCA would likely lead to an upgrade of Mediobanca's issuer rating, whilst the bank's deposit rating is constrained by Italy's sovereign debt rating.

Mediobanca's issuer rating could also be upgraded following a material increase in the bank's stock of subordinated debt.

Factors that could lead to a downgrade

Mediobanca's BCA could be downgraded if reliance on capital market activities were to increase; if capital were to fall below the bank's targets; or if its dependence on short-term wholesale funding were to rise. A downgrade of the BCA would lead to a downgrade of Mediobanca's deposit and issuer ratings.

Mediobanca's long-term deposit rating would be downgraded following a downgrade of Italy's sovereign debt rating.

Key indicators

Exhibit 2

Mediobanca S.p.A. (Consolidated Financials)	[1]
---	----	---

12-17 ²	6-17 ²	6-16 ²	6-15 ²	6-14 ²	CAGR/Avg. ³
69,894	67,958	66,155	66,669	65,647	1.8 ⁴
83,928	77,509	73,495	74,283	89,881	-1.9 ⁴
7,831	7,685	7,235	6,913	6,559	5.2 ⁴
9,404	8,766	8,037	7,703	8,980	1.3 ⁴
5.2	5.5	5.5	6.2	5.9	5.7 ⁵
14.1	13.8	12.4	10.9	10.4	12.3 ⁶
24.1	23.9	24.7	28.5	28.6	26.0 ⁵
2.1	2.0	1.9	1.8	1.6	1.9 ⁵
2.1	1.7	1.5	1.6	1.5	1.7 ⁶
1.4	1.1	0.9	0.9	0.7	1.0 ⁵
48.9	56.8	54.1	47.2	47.8	50.9 ⁵
48.1	48.9	55.5	54.8	58.0	53.1 ⁵
	69,894 83,928 7,831 9,404 5.2 14.1 24.1 2.1 2.1 2.1 1.4 48.9	69,894 67,958 83,928 77,509 7,831 7,685 9,404 8,766 5.2 5.5 14.1 13.8 24.1 23.9 2.1 2.0 2.1 1.7 1.4 1.1 48.9 56.8	69,89467,95866,15583,92877,50973,4957,8317,6857,2359,4048,7668,0375.25.55.514.113.812.424.123.924.72.12.01.92.11.71.51.41.10.948.956.854.1	69,89467,95866,15566,66983,92877,50973,49574,2837,8317,6857,2356,9139,4048,7668,0377,7035.25.55.56.214.113.812.410.924.123.924.728.52.12.01.91.82.11.71.51.61.41.10.90.948.956.854.147.2	69,89467,95866,15566,66965,64783,92877,50973,49574,28389,8817,8317,6857,2356,9136,5599,4048,7668,0377,7038,9805.25.55.56.25.914.113.812.410.910.424.123.924.728.528.62.12.01.91.81.62.11.71.51.61.51.41.10.90.90.748.956.854.147.247.8

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.moodys.com for the most updated credit rating action information and rating history.

Liquid Banking Assets / Tangible Banking Assets (%)	27.4	32.7	29.9	31.3	31.5	30.6 ⁵
Gross Loans / Due to Customers (%)	197.7	197.9	216.5	228.7	230.3	214.2 ⁵

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

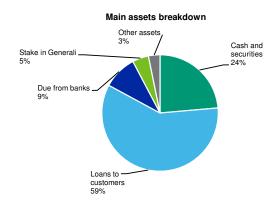
Profile

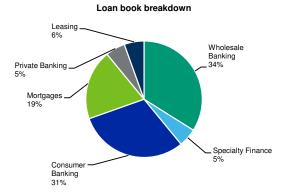
Mediobanca is a medium-sized group with total assets of €72 billion as of December 2017, including a 13% stake in European insurer Generali valued at €3.1 billion. Its main divisons are:

- » Corporate and Investment Banking (CIB), which focuses on lending, capital market activities, and advisory services to large corporate clients. Mediobanca is one of the main CIB players in Italy; its clients are usually large Italian corporates with an international footprint. This division also has a small factoring business, and it has recently started to purchase distressed loans at deep discounts.
- » Consumer Banking, mostly through subsidiary Compass, one of the largest consumer credit companies in Italy. This division operates only in Italy in the following main products areas: unsecured consumer loans (59% of total stock), secured personal loans with a direct pledge on the borrower's salary (16%), auto financing (14%), credit cards (5%), and other consumer loans for the purchase of specific goods (6%). Mediobanca distributes its consumer finance products through other banks and the postal network, through its own branch network, and through agents.
- » Wealth Management, which includes retail banking through subsidiary CheBanca! (deposits and residential mortgages, unrated), the new "Mediobanca Private" brand, which focuses on high net worth individuals (HNWI), and Monaco-based private bank Compagnie Monegasque de Banque (unrated). Recently CheBanca! has focused on growing its wealth management business, targeting in particular affluent clients.
- » Principal Investing, which now mostly consists of the bank's 13% share in Generali valued at €3.1 billion; all other investments in this division are valued at less than €0.5 billion in the bank's books, and are being reduced.
- » Holding Function, which includes all general costs, asset and liability management (ALM), treasury, and leasing business.

Exhibit 3

Mediobanca has a diversified business model Main assets and loan book breakdown





Source: Moody's Investors Service, Bank's reports

Detailed credit considerations

Mediobanca's corporate clients are diversified outside of italy

The weighted Macro Profile for Mediobanca is Strong -, reflecting its strong presence in Italy (Moderate +), as well as its exposure to large cross-border companies that operate in the European Union (Strong). Furthermore, Generali has an international footprint, with only 33% of Generali's premiums are from Italy.

Moderate asset risk

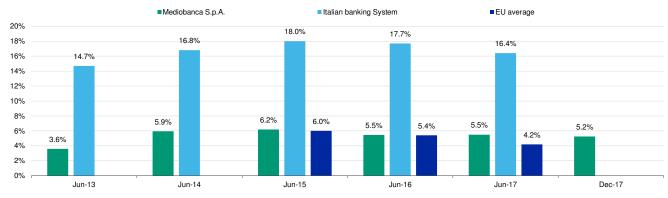
We assess Mediobanca's asset risk as moderate, as indicated by our ba2 score, one notch below the ba1 Macro Adjusted score.

Our score reflects:

- » High but granular risk in the consumer credit portfolio
- » Low but concentrated risk in the corporate loan book, with a small stock of problem loans (exhibit 4)
- » Relatively strict underwriting procedures and a good track record in managing credit risk
- » Idiosyncratic risk resulting from the stake in Generali, which is equivalent to 40% of Mediobanca's Tangible Common Equity (TCE)
- » Moderate market risk:
 - Level 3 assets are 6% of Mediobanca's Tangible Common Equity (TCE): this is significantly higher than the average for commercial banks, but modest compared to global investments banks
 - Trading activities are oriented more towards lower risk securities than complex products

Exhibit 4

Stock of problem loans is in line with EU average Problem Loans % Gross Loans



Note: Data for Mediobanca include a portfolio of problem loans acquired from third parties; excluding this portfolio, Mediobanca's ratio would have been 4.6% in December 2017. Source: Moody's Investors Service, Bank of Italy, European Banking Authority (EBA)

Good capitalisation, with large buffers over prudential requirements

Our assessment of Mediobanca's capital is baa2, two notches below the a3 macro adjusted score to reflect our expected trend for the bank's capital ratios, including the bank's strategy to grow through acquisitions.

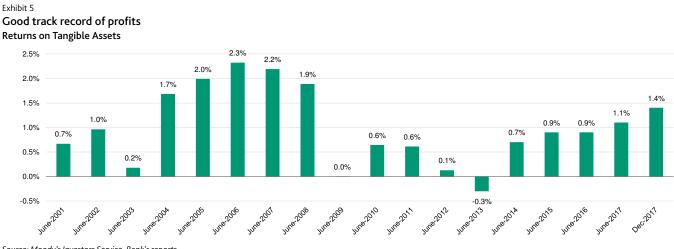
In December 2017, Mediobanca's fully-loaded CET1 ratio was 14.3% (pro-forma for the benefit of credit risk models for corporate loans approved by the ECB in February), and subject to several moving parts. The end of favourable capital treatment for holdings in insurance companies, known as the "Danish compromise", will lead to a lower capital ratio. However, Mediobanca believes that will be fully offset by its planned sale of 3% of Generali. The bank also states that its capital ratio will not be materially affected by new regulatory guidelines on problem loans or the so-called Basel IV reforms.

Mediobanca's CET1 ratio compares with a minimum prudential requirement of 7.63% which the bank needs to maintain in 2018.

Sound and diversified profitability

Our score for Mediobanca's profitability is baa3, one notch below our macro adjusted score. The assigned score reflects our mediumterm view on Mediobanca's return on tangible assets once it reduces its stake in Generali to 10%.

In the last three years, Mediobanca reported an average return on tangible assets of about 100 bps, which is sound in the Italian and European contexts. Furthermore, despite a challenging operating environment, particularly in Italy, Mediobanca has a good track record of generating profits (exhibit 5). Since 2001 the bank has reported only one net annual loss (in 2013). This was driven by losses on the disposal of large stakes in companies, rather than by loan impairments, trading losses, restructuring costs, or conduct-related fines.

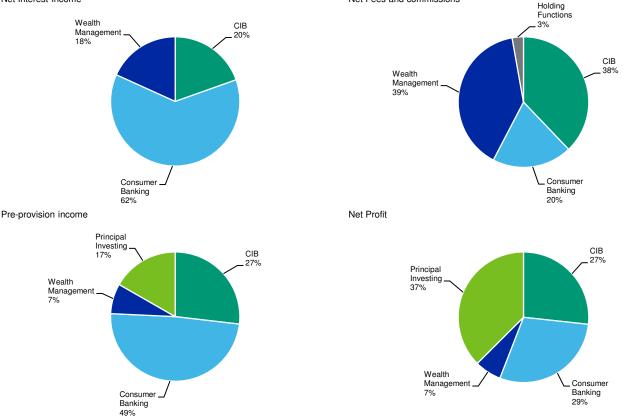


Source: Moody's Investors Service, Bank's reports

We believe that Mediobanca's business model of different activities has supported the bank's more stable earnings compared to peers. Nevertheless, the high concentration in Generali, which makes a sizeable contribution to Mediobanca's consolidated earnings (exhibit 6), represents a material dependence on non-cash earnings outside Mediobanca's full control.

Exhibit 6

Income's breakdown by business line Net Interest Income



Net Fees and commissions

Source: Moody's Investors Service, Bank's reports

High reliance on wholesale funding

Our score for Mediobanca's funding structure is b1, one notch above the b2 macro adjusted score. Our adjustment reflects the overall short maturity of the bank's assets.

Despite Mediobanca's efforts in recent years to increase its share of more stable deposit funding through the creation of retail bank CheBanca! in 2008, the bank is still highly reliant on wholesale funding. At end-2017, market funds were 48% of tangible banking assets, in line with the average for recent years. Mediobanca's reliance on less dependable wholesale funding is the key risk for the bank.

This is partially mitigated by the maturity profile of its funding, the short duration of its loan book, and a large stock of assets that could be pledged against additional funding from the European Central Bank (ECB).

Mediobanca's liquid resources score is baa1, one notch below the a3 macro adjusted score to reflect expected trends, and the bank's large stock of assets eligible for repo transactions with the ECB.

Support and structural considerations

Loss Given Failure Analysis

Mediobanca is subject to the EU Bank Recovery and Resolution Directive, which we consider to be an operational resolution regime. Our analysis assumes residual tangible common equity of 3% and losses post-failure equivalent to 8% of tangible banking assets, a 25% run-off in junior wholesale deposits, a 5% run-off in preferred deposits and 26% of junior deposits over total deposits. These assumptions are in line with our standard assumptions. Furthermore, we expect that deposits will in practice rank above senior debt in a resolution, given the introduction of full deposit preference in Italy in 2019. Under these assumptions, Mediobanca's deposits are likely to face extremely low loss-given-failure, owing to the loss absorption provided by the residual equity that we expect in resolution, subordinated debt and senior unsecured debt, as well as the volume of deposits themselves. This is supported by the combination of deposit volume and subordination. This results in an uplift of three notches from the bank's baa3 BCA.

We believe that Mediobanca's senior unsecured debt is likely to face very low loss-given-failure, owing to the loss absorption provided by the residual equity that we expect in resolution, and by subordinated debt, as well as the volume of senior unsecured debt itself. This results in an uplift of two notches from the bank's baa3 BCA.

Counterparty risk assessment

Counterparty Risk (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, 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.

Mediobanca's CR Assessment is positioned at Baa1(cr)/Prime-2(cr)

This is two notches above the bank's standalone BCA of baa3. CR Assessments are typically constrained to one notch above the sovereign bond rating, reflecting our view that the probability of default of counterparty obligations is unlikely to be significantly below that of the sovereign's own debt.

The uplift to Mediobanca's CR Assessment derives from the cushion against default provided to the operating obligations by substantial bail-in-able debt and deposits. The main difference with our Advanced LGF approach used to determine instrument ratings is that the CR Assessment captures the probability of default on certain senior obligations, rather than expected loss, therefore we focus purely on subordination and take no account of the volume of the instrument class

Government support considerations

We assess the probability of government support to Mediobanca's depositors and senior bondholders as Low.

Mediobanca is a modestly sized bank domestically, and not a key participant in global financial markets. As such we think it unlikely that its debt or deposits would benefit from government support.

About Moody's 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 what 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 7

Mediobanca S.p.A.

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	5.6%	ba1	$\leftarrow \! \rightarrow$	ba2	Single name concentration	
Capital						
TCE / RWA	14.1%	a3	$\leftarrow \rightarrow$	baa2	Expected trend	Stress capital resilience
Profitability						
Net Income / Tangible Assets	1.1%	baa2	\downarrow	baa3	Expected trend	
Combined Solvency Score		baa2		baa3		
Liquidity						
Funding Structure						
Market Funds / Tangible Banking Assets	48.9%	b2	$\leftarrow \rightarrow$	b1	Term structure	Market funding quality
Liquid Resources						
Liquid Banking Assets / Tangible Banking Assets	32.7%	a3	$\leftarrow \rightarrow$	baa1	Expected trend	
Combined Liquidity Score		ba2		ba1		
Financial Profile				baa3		
Business Diversification				0		
Opacity and Complexity				0		
Corporate Behavior				0		
Total Qualitative Adjustments				0		
Sovereign or Affiliate constraint:				Baa2		
Scorecard Calculated BCA range				baa2-ba1		
Assigned BCA				baa3		
Affiliate Support notching				0		
Adjusted BCA				baa3		
Balance Sheet		in-sc (EUR m		% in-scope	at-failure (EUR million)	% at-failure
Other liabilities		31.8		46.0%	34.072	49.2%

	(EUR million)	Juin Scope	(EUR million)	
Other liabilities	31,857	46.0%	34,072	49.2%
Deposits	21,722	31.3%	19,506	28.1%
Preferred deposits	16,074	23.2%	15,271	22.0%
Junior Deposits	5,648	8.1%	4,236	6.1%
Senior unsecured bank debt	11,178	16.1%	11,178	16.1%
Dated subordinated bank debt	2,471	3.6%	2,471	3.6%
Equity	2,079	3.0%	2,079	3.0%
Total Tangible Banking Assets	69,307	100%	69,307	100%

Debt class	De Jure w	De Jure waterfall		De Facto waterfall		Notching		Assigned	Additional Preliminary	
	Instrument volume + o		Instrument on volume + o		De Jure	De Facto	Notching Guidance	LGF notching	notching	Rating Assessment
	subordinatio	ו	subordinatio	n			vs. Adjusted BCA	U		
Counterparty Risk Assessment	28.8%	28.8%	28.8%	28.8%	2	2	2	2	0	baa1 (cr)
Deposits	28.8%	6.6%	28.8%	22.7%	2	3	3	3	0	a3
Senior unsecured bank debt	28.8%	6.6%	22.7%	6.6%	2	2	2	2	0	baa1
Instrument class	Loss G Failure ne		Additional Notching	Prelimina Asses	5 0		nment notching		Currency ting	Foreign Currency Rating
Counterparty Risk Assessment	2		0	baa1	(cr)		0	Baa	1 (cr)	
Deposits	3		0	а	3		0	1	43	A3

baa1

0

Baa1

Baa1

0

Deposits
Senior unsecured bank debt
Source: Moody's Financial Metrics

Ratings

Category	Moody's Rating
MEDIOBANCA S.P.A.	
Outlook	Negative(m)
Bank Deposits	A3/P-2
Baseline Credit Assessment	baa3
Adjusted Baseline Credit Assessment	baa3
Counterparty Risk Assessment	Baa1(cr)/P-2(cr)
Issuer Rating	Baa1

2

© 2018 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 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.

CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT INTENDED FOR USE BY ANY PERSON AS A BENCHMARK AS THAT TERM IS DEFINED FOR REGULATORY PURPOSES AND MUST NOT BE USED IN ANY WAY THAT COULD RESULT IN THEM BEING CONSIDERED A BENCHMARK.

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 <u>www.moodys.com</u> 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 657AFSL 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 1116759

CLIENT SERVICES

Americas	1-212-553-1653
Asia Pacific	852-3551-3077
Japan	81-3-5408-4100
EMEA	44-20-7772-5454

MOODY'S INVESTORS SERVICE