

The Pakistan Credit Rating Agency Limited

Rating Report

Optimus Capital Management (Pvt.) Limited

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Rating History									
Dissemination Date	Long Term Rating	Short Term Rating	Outlook	Action	Rating Watch				
26-Jun-2019	A-	A2	Stable	Maintain	-				
27-Dec-2018	A-	A2	Stable	Maintain	-				
07-Jun-2018	A-	A2	Stable	Maintain	-				
08-Dec-2017	A-	A2	Stable	Initial	-				

Rating Rationale and Key Rating Drivers

The Entity Ratings of Optimus Capital Management (Private) Limited demonstrate its sound ability to retain its market share in lackluster equity market volumes. The rating incorporates the company's emerging position in brokerage industry on the back of established institutional client relationships and diversified product slate. The company as a policy prohibits proprietary trade exposure in the market. The company has clearly defined its organizational structure with most of the heads reporting to CEO. Seasoned top management, sound risk management and compliance procedures provides support to the rating, whereas, the governance framework can be strengthened further. The management has devised a suitable strategy to expand its clientele and increase its market share. The equity brokerage revenue stream and volumes are building up gradually. Moreover, the company has a debt-free capital structure, which signifies low financial risk. The equity base of the company stood at ~PKR 327mln at end Dec-18.

The ratings are dependent on the company's ability to strengthen its emerging position in the industry. Retention of the key personnel, improvement in governance and sustainability of profits is critical for ratings. Meanwhile, upholding strong internal controls and diligent monitoring of risks is important.

Disclosure					
Name of Rated Entity	Optimus Capital Management (Pvt.) Limited				
Type of Relationship	Solicited				
Purpose of the Rating	Entity Rating				
Applicable Criteria	Methodology Security Broker(Jun-18)				
Related Research	Sector Study Brokerage & Security(Nov-18)				
Rating Analysts	Shahzaib Khalid shahzaib.khalid@pacra.com +92-42-35869504				



Brokerage & Securities

The Pakistan Credit Rating Agency Limited

PROFILE

Legal Structure Optimus Capital Management is a Private Limited company.

Background The company was incorporated in 2004 with the name of Millennium Capital Management (Pvt.) Ltd and changed to Optimus Capital Management (Pvt.) Ltd in 2011

Operations With its head office based in Karachi, main activities of the company includes equity brokerage, research and investment banking advisory.

OWNERSHIP

Ownership Structure Optimus Capital Management (Pvt.) Ltd, is a wholly owned subsidiary of Optimus Holdings (Private) Limited (Formerly Peabody Associates Private Limited). Mr. Asif Ali Qureshi and Mr. Jawad Amjad own 80% and 20% of Optimus Holdings, respectively.

Business Acumen The sponsors have relevant educational background and have vast experience in financial services sector.

Financial Strength The Optimus Holdings (Pvt.) Ltd has reported equity of ~PKR 300mln at end June-18.

GOVERNANCE

Board Structure The board composes two directors, Mr. Asif Ali Qureshi and Mr. Ovais Ahsan. Mr. Asif is the Executive Chairman and Mr. Ovais is the CEO of the company. Two board meetings were held in 1HFY19 and discussion was mainly held on risk management policies and infrastructure development.

Members' Profile Mr. Asif Ali Qureshi, CFA has more than 20 years of professional experience in Pakistan's financial services sector with expertise in economic and investment research. He also holds MA in International Financial Analysis from Newcastle University (UK).

Board Effectiveness Audit committee has been recently established with defined TORs. Mr. Asif Ali Qureshi (Executive Chairman) chairs the audit committee.

Financial Transparency The company has an in-house internal audit function that document and reports its observations to the BoD. The external auditors of the company are Riaz Ahmad, Saqib, Gohar and Co, a member firm of AGN International, falls under B category of SBP audit firms ranking.

MANAGEMENT

Organizational Structure There are seven departments in the company, out of which five directly reports to the CEO. The compliance and internal audit department report to the BoD. The company has created and filled all requisite positions to ensure smooth operations.

Management Team Mr. Ovais Ahsan is the CEO of the company. He has nearly 15 years of professional experience in equity sales and trading. Before Joining Optimus Capital, he was serving Renaissance Capital based in Dubai and was overseeing the equity markets of MENA and Frontier Asia region. Lately, Mr. Faizan Ahmed joined Optimus Capital as head of research. He has over 5 years of professional experience in equity research. He is ACCA qualified and CFA level 3 candidate.

Effectiveness The company has one board committee, namely i) Audit committee. TOR's for the committee are well defined. Audit committee meets on annual basis to review the financial statements and internal audit findings. The committee is chaired by Mr. Asif Ali Qureshi.

Control Environment The company has formulated a comprehensive risk management policy. This includes exposure limits and margins, KYC/CDD, customer orders and execution and settlement. Proper KYC/CDD is conducted by the settlement department. Each customer is assigned a risk level from low to high. For high risk level customers, enhanced due diligence is conducted by monitoring transactions, fund transfers and frequency of investments.

BUSINESS RISK

Industry Dynamics During first five months of CY19, KSE-100 posted a negative return of ~3%. Trading activity remained low on the back of negative market sentiments due to uncertainty on market performance in the backdrop of an economic slowdown, rising interest rate environment and consistent drag on IMF front. Concerns on upcoming budgetary measures remained in limelight. The overall trading volumes in first five months of CY19 remained low, (5MCY19: 88mln, CY18: 97mln, CY17: 102mln) as compared to previous years. This put pressure on income of all brokerage entities.

Relative Position The company remains one of the emerging player in Pakistan'a brokerage industry. The company enjoys ~3% market share in equity ready market.

Revenue The company's operating revenue mainly comprises equity brokerage and consultancy/commission income. Despite overall decline in the volumes in equity market, the company's equity brokerage income increased by 55% to ~PKR 59mln in 1HFY19.

Profitability The company made net profit of ~PKR 23mln in 1HFY19, as compared to ~PKR 15mln loss in the same period of last year.

Sustainability Main activities of the company include equity brokerage, investment research, corporate finance and financial advisory.

FINANCIAL RISK

Credit Risk The company has detailed KYC/CDD procedures, for the assessment of client's credit worthiness. Exposure limits are properly assigned. An automated risk management system is in place that halts transactions for a particular client if margin falls below the allocated level.

Market Risk The company's long term investment comprises Pakistan Investment Bonds and PSX shares. The shares allotted as a result of Corporatization, Demutualization and Integration Act 2012. Other than this, company is not exposed to market risk. At end Dec-18, company's PSX holdings were amounted ~PKR 21mln. Liquidity Risk The liquidity risk of the company arises from its T+2 settlement framework. At the end of 1HFY19, the liquid assets were 0.08x of the total asset book

Coverages The company availed no long and short term borrowings.

Capitalization The company has a zero leverage capital structure. At end Dec-18, the Net Capital Balance (NCB) of the company stood at ~PKR 211mln, which allows the company to take exposure up to 25x of its NCB.

	The Pakistan Credit Rating Agency Limited us Capital Management NCE SHEET As at	PKR mln 31-Dec-18 1HFY19 Unaudited	PKR mln 30-Jun-18 FY18 Audited	PKR mln 30-Jun-17 FY17 Audited	PKR mln 30-Jun-1 FY16 Audited
. Е	ARNING ASSETS				
	Finances				
	. Margin Trading System . Ready Futures	0	0	0	0
	Receviable from NCCPL - net	0	0	0	0
	. Investments				
	. Deposits with Banks-Own funds . Govt. Securities	21 10	34 0	26 0	126 0
	. Debt Securities & Mutual Funds	0	0	0	0
	. Other Investments) Related Party	0	0	0	
ii) Long Term Deposits	13	7		
	i) Listed Equity Investments () Others	21	32 0	41 0	39
) Unlisted	0	0	0	0
		65	73	67	166
	Total Earning Assets	65	73	67	166
	ION-EARNING ASSETS				
	. Cash and Bank Balances - Own Funds . Cash and Bank Balances - Client Funds	1 78	220 0	123 0	102 0
3	. Accounts Receivable	7	7	7	33
	. Due from related party	8	9		
	. Other receivables . Advances, Deposits and Other receivables	24 210	208	209	94
	. Fixed Assets	17	17	14	12
	Non-Earning Assets	344	465	353	240
T	OTAL ASSETS	409	538	420	406
F	unding				
1.	. Commercial				
	i) Advances from Customers ii) Payables to Customers	0 78	0 221	0 122	0 145
		78	221	122	145
2.	i) Short-term Borrowings	0	0	0	0
	ii) Current Maturity of Long Term Debt	0	0	0	0
	iii) Long-term Borrowings	0	0	0	0
		78	221	122	145
	Other Liabilities				
	. Due to Associates . Other Liabilities (staff gratuity, Accrued mark-up)	3	0 2	0 3	0 2
	. Provision for Taxation	1	0	0	0
E	QUITY Other Liabilities	3	2	3	2
1	. Share Capital	100	100	100	84
2	. Reserves: i. Statutory Reserve	0	0	0	0
	ii. Capital Reserve	0	0	0	0
	iii. Reserve for Bonus Shares	0	0	0	0
	iv. Revenue Reserve v. Unappropriated Profit	227	215 0	195 0	175 0
		227	215	195	175
	Pure Equity	327	315	295	259
3	. Surplus/(Deficit) on Revaluation of Investments	0	0	0	0
	Total Equity	327	315	295	259

Optimus Capital Management INCOME STATEMENT

INCOME STATEMENT For the period ended		31-Dec-18 1HFY19	30-Jun-18 FY18	30-Jun-17 FY17	30-Jun-16 FY16
		Unaudited	Audited	Audited	Audited
1.	Fee-Based Income				
	a. Advisory Fees	0	3	18	10
	b. Commission / Underwriting	13	0	0	0
	c. Brokerage	59	143	92	69
	d. Others	72	146	110	79
2.	Operating Expenses				
	a. Personnel Expenses	(40)	(62)	(68)	(51)
	b. Other Non-interest/Mark Up Expenses	(19)	(42)	(34)	(43)
		(58)	(104)	(102)	(94)
3.	Brokerage Income / (Loss)	14	42	7	(16)
4.	Non Fee-Based Income				
	a. Finances	9	10	8	8
	b. Placements (including Reverse REPO/COI/CFS)	0	0	0	0
	c. Bank Deposits and others	9	10	8	8
3	Other Income				
	a. Dividend Income	0	0	1	1
	b. Gain on Sale of Investments c. Surplus/(Deficit) on Revaluation of Investments	(0)	(8)	43 0	0
	d. Share of profit of subsidiaries/associates	0	0	0	0
	e. Others				
		(0)	(7)	44	2
		9	3	51	10
5.	Total Operating Income / (Loss)	22	44	58	(6)
6.	Financial Charges	(0)	(0)	(1)	(1)
7.	Other Income / (Loss)	1	1	0	2
8.	Profit / (Loss) Before Tax	23	46	58	(5)
9.	Taxes	(0)	(19)	(8)	(2)
10.	Net Income	23	27	50	(7)
12.	Unapprpopriated Profit / (Loss) Brought Forward	0	0	0	0
12.	Adjustments	0	0	0	0
	Available for Appropriations	23	27	50	(7)
13.	Appropriations				
	a. Statutory Reserve	0	0	0 0	0
	b. Capital Reserve c. Cash Dividend	0	0	0	0
	d. Bonus Dividend				
		0	0	0	0
14.	Unappropriated Profit/(Loss) Carried Forward	23	27	50	(7)

Optimus Capital Management RATIO ANALYSIS	31-Dec-18	30-Jun-18	30-Jun-17	30-Jun-16	
	1HFY19	FY18	FY17	FY16	
	Unaudited	Audited	Audited	Audited	
A. PERFORMANCE					
1 ROE	7.9%	8.8%	25.0%	(3.0%)	
a Net Profit Margin	31.8%	18.7%	45.9%	(8.7%)	
b Asset Turnover	19.8%	27.7%	38.3%	21.8%	
c Financial Leverage	125.1%	170.8%	142.2%	156.8%	
2 ROA	5.6%	8.8%	19.9%	(1.8%)	
3 Personnel Expenses-to-Total Operating Income	176.1%	139.3%	116.1%	(883.8%)	
4 Personnel Expenses-to-Fee Income	54.8%	42.4%	62.0%	65.2%	
5 Cost-to-Fee Income	72.2%	70.1%	63.6%	106.6%	
6 Cost-to-Total Operating Income	260.2%	234.6%	175.1%	(1,623.2%)	
7 Taxes / Pre-Tax Profit	0.6%	40.5%	13.7%	(38.4%)	
8 Net Non-Earning Assets / Assets net of Non-Interest Liabilities	83.9%	86.4%	83.9%	58.9%	
9 Net Non-Earning Assets / Equity	104.1%	147.0%	118.4%	91.9%	
B. WORKING CAPITAL					
1 (Accounts Receivable / Value Traded) * 365	-	1.7%	2.9%	24.6%	
2 Overdue (> 14 days) Accounts Receivable / Total Accounts Receivable	-	-	59.1%	88.1%	
3 Overdue (> 14 days) Accounts Receivable / Short Term Borrowings	-	-	3.3%	20.2%	
4 Overdue (> 14 days) Accounts Receivable / Capital or Equity	-	-	1.4%	11.3%	
5 Overdue (> 14 days) Accounts Receivable /(Short Term Borrowings + Accounts	-	-	3.3%	20.2%	
6 (Overdue (> 14 days) Accounts Receivable - MF or MTS related receivables) / 7	-	-	-	-	
7 Accounts Receivable / (Short Term Borrowings + Customer Advances + Accou	8.5%	3.0%	2.9%	12.0%	
B. FINANCIAL EXPOSURE					
1 Investments / Equity	20.0%	23.1%	22.7%	64.1%	
2 Equities / Total Capital	-	-	-	0.1%	
3 Fixed Income / Total Capital	3.1%	-	-	-	
4 NCB / Equity	0.0%	0.0%	60.3%	59.1%	
C. LIQUIDITY					
1 Trade Related Assets / Trade Related Liabilities	0.1	0.0	0.1	0.2	
2 Liquid Assets/ Short Term Borrowings + Creditors	0.4	1.1	1.2	1.6	
3 Liquid Assets / Total Assets	0.1	0.5	0.4	0.6	
4 Liquid Assets / Trade Related Liabilities	0.4	1.1	1.2	1.6	
5 Liquid Assets / (Short term Borrowings + Advances from Customers + Account	0.4	1.1	1.2	1.6	
6 Adjusted Liquid Assets / (Short term Borrowings + Advances from Customers	0.4	1.1	1.2	1.6	
7 Liquid Investments / Equity	0.2	0.2	0.2	0.6	
D. COVERAGE RATIOS					
1 EBITDA/Gross Interest	(349.6)	497.3	32.5	(3.5)	
2 FCFO/Gross Interest	(321.8)	505.5	0.3	(10.6)	
3 TCF/Gross Interest	(321.8)	505.5	0.3	(10.6)	
4 FCFO/Gross Interest+CMLTD	(321.8)	505.5	0.3	(10.6)	
5 FCFO/Gross Interest+CMLTD+Uncovered Short Term Borrowings	(321.8)	505.5	0.3	(10.6)	
6 TCF/Gross Interest+CMLTD+Uncovered Short Term Borrowings Debt Payback Analysis	(321.8)	505.5	0.3	(10.6)	
7 Long-term Debt/FCFO	0.0	0.0	0.0	0.0	
1 Total Debt / FCFO	0.0	0.0	0.0	0.0	
D. CAPITAL ADEQUACY					
1 Equity / Total Assets	0.8	0.6	0.7	0.6	
2 Total Equity (including surplus on revaluation) / Total Assets	0.8	0.6	0.7	0.6	
3 Total Debt / Equity	0.0	0.0	0.0	0.0	



Credit Rating Scale & Definitions

Credit rating reflects forward-looking opinion on credit worthiness of underlying entity or instrument; more specifically it covers relative ability to honor financial obligations. The primary factor being captured on the rating scale is relative likelihood of default.

	Long Town Datings				Cha	nt To	rm Rat	ingg			
	Long Term Ratings										
AAA	Highest credit quality. Lowest expectation of credit risk. Indicate exceptionally strong		+ The highest capacity for timely repayment.								
	capacity for timely payment of financial commitments	A1	A strong capacity for timely								
							epaymer				
AA+	Very high credit quality. Very low expectation of credit risk. Indicate very strong	A2	A satisfactory capacity for timely repayment. This may be susceptible to								
AA	capacity for timely payment of financial commitments. This capacity is not significantly		adverse changes in business,								
AA-	vulnerable to foreseeable events.		economic, or financial conditions.								
				An adequate capacity for timely repayment. Such							
		A3	capacity is susceptible to adverse changes in bu						isiness,		
A+	High credit quality. Low expectation of credit risk. The capacity for timely payment of financial commitments is considered strong. This capacity may, nevertheless, be vulnerable to changes in circumstances or in economic conditions.		The c	economic, or financial conditions. The capacity for timely repayment is more susceptible							
A A-		В	to adverse changes in business, economic, or financial								
			conditions.								
		C	C An inadequate capacity to ensure timely repayment.								
BBB+											
BBB	Good credit quality. Currently a low expectation of credit risk. The capacity for timely payment of financial commitments is considered adequate, but adverse changes in	Short Term Ratings									
	circumstances and in economic conditions are more likely to impair this capacity.			A2	A3	U	C				
BBB-			AAA		L+ 	A1	AZ	A3	В	C	
			AA+								
BB+	Moderate risk. Possibility of credit risk developing. There is a possibility of credit risk developing, particularly as a result of adverse economic or business changes over time;		AA								
BB	however, business or financial alternatives may be available to allow financial commitments		AA-		- 1						
BB-	to be met.		A +		ı						
		ong	A A-		İ						
B+	High credit risk. A limited margin of safety remains against credit risk. Financial	Long Term Ratings	BBB-	 F					į		
В	commitments are currently being met; however, capacity for continued payment is	B	BBB								
В-	contingent upon a sustained, favorable business and economic environment.	Rat	BBB	-							
		ing	BB+							_	

Very high credit risk. Substantial credit risk "CCC" Default is a real possibility. Capacity for meeting financial commitments is solely reliant upon sustained, favorable business or economic developments. "CC" Rating indicates that default of some kind appears

probable. "C" Ratings signal imminent default.

D Obligations are currently in default.

Outlook (Stable, Positive, Negative,
Developing) Indicates the potential and direction
of a rating over the intermediate term in response
to trends in economic and/or fundamental
business/financial conditions. It is not necessarily
a precursor to a rating change. 'Stable' outlook
means a rating is not likely to change. 'Positive'
means it may be raised. 'Negative' means it may
be lowered. Where the trends have conflicting
elements, the outlook may be described as
'Developing'.

Rating Watch Alerts to the possibility of a rating change subsequent to, or in anticipation of, a) some material identifiable event and/or b) deviation from expected trend. But it does not mean that a rating change is inevitable. A watch should be resolved within foreseeable future, but may continue if underlying circumstances are not settled. Rating Watch may accompany Outlook of the respective opinion.

Suspension It is not possible to update an opinion due to lack of requisite information.

Opinion should be resumed in foreseeable future. However, if this does not happen within six (6) months, the rating should be considered withdrawn.

Withdrawn A rating is withdrawn on
a) termination of rating mandate, b)
cessation of underlying entity, c) the
debt instrument is redeemed, d) the
rating remains suspended for six
months, e) the entity/issuer defaults.,
or/and f) PACRA finds it impractical
to surveill the opinion due to lack of
requisite information.

BB

BB.

B+

В

B-CCC

CC

change in rating due to revision in applicable methodology or underlying scale.

Harmonization A

Disclaimer: PACRA's ratings are an assessment of the credit standing of entities/issue in Pakistan. They do not take into account the potential transfer / convertibility risk that may exist for foreign currency creditors. PACRA's opinion is not a recommendation to purchase, sell or hold a security, in as much as it does not comment on the security's market price or suitability for a particular investor.

June 2018 www.pacra.com

Regulatory and Supplementary Disclosure

(Credit Rating Companies Regulations, 2016)

Rating Team Statements

(1) Rating is just an opinion about the creditworthiness of the entity and does not constitute recommendation to buy, hold or sell any security of the entity rated or to buy, hold or sell the security rated, as the case may be | Chapter III; 14-3-(x)

2) Conflict of Interest

- i. The Rating Team or any of their family members have no interest in this rating | Chapter III; 12-2-(j)
- ii. PACRA, the analysts involved in the rating process and members of its rating committee, and their family members, do not have any conflict of interest relating to the rating done by them | Chapter III; 12-2-(e) & (k)
- iii. The analyst is not a substantial shareholder of the customer being rated by PACRA [Annexure F; d-(ii)] Explanation: for the purpose of above clause, the term "family members" shall include only those family members who are dependent on the analyst and members of the rating committee

Restrictions

- (3) No director, officer or employee of PACRA communicates the information, acquired by him for use for rating purposes, to any other person except where required under law to do so. | Chapter III; 10-(5)
- (4) PACRA does not disclose or discuss with outside parties or make improper use of the non-public information which has come to its knowledge during business relationship with the customer | Chapter III; 10-7-(d)
- (5) PACRA does not make proposals or recommendations regarding the activities of rated entities that could impact a credit rating of entity subject to rating | Chapter III; 10-7-(k)

Conduct of Business

- (6) PACRA fulfills its obligations in a fair, efficient, transparent and ethical manner and renders high standards of services in performing its functions and obligations; | Chapter III; 11-A-(a)
- (7) PACRA uses due care in preparation of this Rating Report. Our information has been obtained from sources we consider to be reliable but its accuracy or completeness is not guaranteed. PACRA does not, in every instance, independently verifies or validates information received in the rating process or in preparing this Rating Report.
- (8) PACRA prohibits its employees and analysts from soliciting money, gifts or favors from anyone with whom PACRA conducts business | Chapter III; 11-A-(q)
- (9) PACRA ensures before commencement of the rating process that an analyst or employee has not had a recent employment or other significant business or personal relationship with the rated entity that may cause or may be perceived as causing a conflict of interest; | Chapter III; 11-A-(r) (10) PACRA maintains principal of integrity in seeking rating business | Chapter III; 11-A-(u)
- (11) PACRA promptly investigates, in the event of a misconduct or a breach of the policies, procedures and controls, and takes appropriate steps to rectify any weaknesses to prevent any recurrence along with suitable punitive action against the responsible employee(s) | Chapter III; 11-B-(m)

Independence & Conflict of interest

- (12) PACRA receives compensation from the entity being rated or any third party for the rating services it offers. The receipt of this compensation has no influence on PACRA's opinions or other analytical processes. In all instances, PACRA is committed to preserving the objectivity, integrity and independence of its ratings. Our relationship is governed by two distinct mandates i) rating mandate signed with the entity being rated or issuer of the debt instrument, and fee mandate signed with the payer, which can be different from the entity
- (13) PACRA does not provide consultancy/advisory services or other services to any of its customers or to any of its customers' associated companies and associated undertakings that is being rated or has been rated by it during the preceding three years unless it has adequate mechanism in place ensuring that provision of such services does not lead to a conflict of interest situation with its rating activities; | Chapter III; 12-2-(d)
- (14) PACRA discloses that no shareholder directly or indirectly holding 10% or more of the share capital of PACRA also holds directly or indirectly 10% or more of the share capital of the entity which is subject to rating or the entity which issued the instrument subject to rating by PACRA; | Reference Chapter III; 12-2-(f)
- (15) PACRA ensures that the rating assigned to an entity or instrument is not be affected by the existence of a business relationship between PACRA and the entity or any other party, or the non-existence of such a relationship | Chapter III; 12-2-(i)
- (16) PACRA ensures that the analysts or any of their family members shall not buy or sell or engage in any transaction in any security which falls in the analyst's area of primary analytical responsibility. This clause shall, however, not be applicable on investment in securities through collective investment schemes. | Chapter III; 12-2-(l)
- (17) PACRA has established policies and procedure governing investments and trading in securities by its employees and for monitoring the same to prevent insider trading, market manipulation or any other market abuse | Chapter III; 11-B-(g)

Monitoring and review

- (18) PACRA monitors all the outstanding ratings continuously and any potential change therein due to any event associated with the issuer, the security arrangement, the industry etc., is disseminated to the market, immediately and in effective manner, after appropriate consultation with the entity/issuer; | Chapter III | 18-(a)
- (19) PACRA reviews all the outstanding ratings on semi-annual basis or as and when required by any creditor or upon the occurrence of such an event which requires to do so; | Chapter III | 18-(b)
- (20) PACRA initiates immediate review of the outstanding rating upon becoming aware of any information that may reasonably be expected to result in downgrading of the rating; | Chapter III | 18-(c)
- (21) PACRA engages with the issuer and the debt securities trustee, to remain updated on all information pertaining to the rating of the entity/instrument; | Chapter III | 18-(d)

Probability of Default

(22) PACRA's Rating Scale reflects the expectation of credit risk. The highest rating has the lowest relative likelihood of default (i.e, probability). PACRA's transition studies capture the historical performance behavior of a specific rating notch. Transition behavior of the assigned rating can be obtained from PACRA's Transition Study available at our website. (www.pacra.com). However, actual transition of rating may not follow the pattern observed in the past | Chapter III | 14-(f-VII)

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