

JCR Rating Transition Matrices and Cumulative Default Rates

JCR is ready to announce, as it has done annually in the past, its rating transition matrices and cumulative default rates as based on its ratings in 2011.

1. Rating Transition Matrices for Corporations (Tables 1 through 3)

1.1 Definition of Default

Default means a debt issuer is in a state of default on debt obligation, unable to fulfill principal and interest payments for the rated debt as agreed originally. It includes situations where fulfillment of obligations is deemed impossible due to motions for legal procedures such as those under Bankruptcy Act, Corporate Reorganization Act, Civil Rehabilitation Act, special liquidations and liquidations under the former Commercial Code.

1.2 Rating Data Employed

Data used are JCR's long-term ratings for residents made public during the 11 years from January 2001 through December 2011 except the following:

- Ratings on Guaranteed Bonds
- Ratings on Subordinated Bonds
- 'p' Ratings

Note: While a 'p' rating is a rating based on an analysis of information publicly available data basically and is given to entities that have not requested a rating, p ratings that were changed to Dp finally from the original ratings that had not been 'p' ratings such as ratings on ability to pay insurance claims are included in the data.

Employed here are the corporate rating data available as of the end of each month. Corporations that fell into D or Dp are listed in Table 4.

1.3 Method Employed

JCR prepares a frequency distribution table, listing the initial ratings on vertical axis (column) and those a year (3 years and 5 years) later on horizontal axis (row). For example, a rating on an issue at the end of January 2001 has been compared with that on the same issue at the end of January 2002 (2004 and 2006), with the rating at the end of February 2001 compared with that at the end of February 2002 (2004 and 2006). In this way, JCR tallies the rating transitions.

JCR then added up a cell of all of the tables (10 years x 12 months) for the same position and divided the figure by the total number of data in each row to provide the results in percentage terms as shown in Tables 1 through 3.

1.4 How to read Rating Transition Matrices and Example for Use

Ratings are reviewed once a year or when events affecting credibility occur. They are upgraded, retained or downgraded depending on the creditworthiness of issuers at that time.

Rating matrices illustrate to which ratings the current ratings change n years later (1, 3 or 5 years later as shown in Tables 1 through 3) in a probability (percentage) form based on past rating data.

Rating transition matrices created for changes in ratings n years later in this manner allow us to obtain numerical values true to actual performance unlike estimates by some other models because they are based on JCR's actual rating performance for the past 11 years. They also show stable rating transitions that are not influenced by temporary and accidental events.

Rating matrices show that the lower the ratings are, the higher will be the probability of upgrading or downgrading a year later rather than being kept unchanged. Consequently, they show that the creditworthiness of corporations with lower ratings lacks stability as compared with that of corporations with higher ratings.

Investors can know how much the bonds held by them are exposed to risk of rating change. Using rating transition matrices, investors can estimate a future rating based on the current rating. For example, given the Markov chain, they can get a pseudo rating transition matrix n years later by multiplying one-year rating transition matrix by n times in accordance with matrix multiplication. They can also estimate changes in ratings n years later by reading the pseudo matrix created in this way.

Table 1. One-year Rating Transition Matrix (counting period: 1 year)

	AAA	AA+	AA	AA-	A+	A	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	B	B-	CCC or lower	D
AAA	95.27	3.74	0.53	0.00	0.35	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AA+	1.79	91.30	5.91	0.08	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AA	0.45	1.57	93.92	3.17	0.56	0.19	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AA-	0.00	0.00	3.47	99.31	6.27	0.21	0.42	0.05	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A+	0.00	0.00	0.35	5.58	87.58	5.87	0.04	0.16	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
A	0.00	0.00	0.44	6.57	85.85	5.15	1.35	0.02	0.01	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A-	0.00	0.00	0.11	0.26	0.47	9.77	84.62	4.27	0.42	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
BBB+	0.00	0.00	0.00	0.01	0.31	1.24	10.23	80.27	7.16	0.33	0.14	0.13	0.00	0.03	0.00	0.00	0.06	0.09
BBB	0.00	0.00	0.00	0.12	0.00	0.19	1.06	9.04	81.70	7.01	0.29	0.10	0.00	0.00	0.02	0.02	0.13	0.31
BBB-	0.00	0.00	0.00	0.00	0.42	0.49	0.19	0.55	11.25	77.91	6.53	1.18	0.19	0.14	0.07	0.10	0.02	0.37
BB+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	19.28	85.86	8.39	2.77	0.18	0.00	0.74	0.65	0.92
BB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.03	15.64	57.54	12.29	9.22	0.00	0.00	0.00	0.28
BB-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	20.41	34.69	23.81	0.00	0.00	1.36	5.44
B+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.50	2.50	8.75	17.50	53.75	0.00	1.25	0.00	8.75
B	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.85	0.00	0.00	46.15	0.00
B-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.67	0.00	0.00	60.00	2.22	11.11
CCC or lower	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.03	58.97

Table 2. Three-year Rating Transition Matrix (counting period: 3 years)

	AAA	AA+	AA	AA-	A+	A	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	B	B-	CCC or lower	D
AAA	89.06	7.92	2.41	0.00	0.45	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AA+	3.80	73.73	15.44	3.23	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AA	0.80	6.04	81.99	7.96	0.32	1.39	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AA-	0.00	0.00	8.42	72.40	15.32	1.77	0.16	0.07	1.11	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A+	0.00	0.00	2.21	15.74	69.71	11.26	0.67	0.75	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
A	0.00	0.00	0.93	1.98	18.62	62.54	10.10	5.23	0.38	0.00	0.01	0.00	0.04	0.09	0.00	0.00	0.07	0.00
A-	0.00	0.00	0.15	0.38	3.46	24.08	61.38	8.34	1.30	0.56	0.14	0.21	0.00	0.00	0.00	0.00	0.00	0.00
BBB+	0.00	0.00	0.15	0.25	0.99	6.91	21.95	52.96	12.49	2.87	0.27	0.19	0.06	0.04	0.00	0.02	0.44	0.44
BBB	0.00	0.00	0.00	0.18	0.00	1.94	5.55	20.84	57.31	11.76	1.13	0.21	0.01	0.07	0.00	0.06	0.07	0.86
BBB-	0.00	0.00	0.00	0.52	0.57	1.41	2.68	5.21	25.73	51.24	5.29	1.12	0.40	0.07	0.10	0.50	0.00	5.16
BB+	0.00	0.00	0.00	0.00	0.00	0.00	0.86	4.88	10.33	35.58	26.26	14.49	2.15	1.58	0.00	0.00	0.00	3.87
BB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.42	13.07	28.76	21.57	8.50	15.03	0.00	0.00	0.00	0.65
BB-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	24.39	35.37	0.00	24.39	8.54	0.00	0.00	0.00	4.88
B+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.19	17.57	8.11	10.81	12.16	11.49	0.00	0.00	0.00	25.68
B	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
B-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.97	9.68	0.00	0.00	0.00	0.00	19.35
CCC or lower	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00

Table 3. Five-year Rating Transition Matrix (counting period: 5 years)

	AAA	AA+	AA	AA-	A+	A	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	B	B-	CCC or lower	D
AAA	83.86	9.85	3.35	0.00	2.73	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AA+	5.31	61.35	23.67	8.21	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AA	0.00	11.00	68.48	13.59	0.69	2.16	0.00	4.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AA-	0.00	0.57	15.20	65.07	14.58	1.55	0.00	0.00	1.75	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A+	0.00	0.00	3.47	23.42	55.92	13.04	2.72	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
A	0.00	0.00	2.48	2.57	30.40	47.85	10.37	4.60	0.81	0.27	0.02	0.20	0.00	0.00	0.00	0.00	0.63	0.00
A-	0.00	0.00	0.20	1.79	8.52	31.36	46.27	9.71	0.95	0.68	0.22	0.31	0.00	0.00	0.00	0.00	0.00	0.00
BBB+	0.00	0.00	0.25	1.06	1.49	11.50	29.62	42.00	9.11	3.33	0.06	0.09	0.06	0.00	0.12	0.19	0.00	1.12
BBB	0.00	0.00	0.00	0.28	0.14	6.73	7.49	27.35	46.89	9.67	0.48	0.14	0.09	0.00	0.00	0.00	0.00	0.76
BBB-	0.00	0.00	0.22	0.18	0.74	2.26	7.03	12.73	27.12	39.96	3.18	1.70	0.41	0.00	0.00	0.00	0.00	4.48
BB+	0.00	0.00	0.00	0.00	0.00	2.52	2.91	7.96	23.88	28.74	15.92	7.18	0.00	2.14	0.00	0.00	0.00	8.74
BB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.61	25.62	1.65	14.88	20.66	14.05	9.92	0.00	0.00	0.00	6.61
BB-	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	24.00	0.00	2.00	12.00	38.00	0.00	0.00	0.00	0.00	4.00
B+	0.00	0.00	0.00	0.00	0.00	0.00	18.02	0.00	28.83	2.70	17.12	2.70	0.00	0.00	0.00	0.00	0.00	30.63
B	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	80.00
CCC or lower	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00

Table 4. List of Corporations that fell to D or Dp Rating

Corporation	Rating	Year of Default
Toho Mutual Life Insurance	Dp	2000
Kawasaki Electric	D	2000
Taisei Fire and Marine Insurance	D	2001
Mycal	D	2001
Kyoei Life Insurance	Dp	2001
Chiyoda Mutual Life Insurance	Dp	2001
Tokyo Mutual Life Insurance	D	2001
Daihyaku Mutual Life Insurance	Dp	2001
Painthouse	D	2005
Suruga Corporation	D	2008
Zephyr	D	2008
Urban Corporation	D	2008
Yamato Life Insurance	Dp	2008
Japan General Estate	D	2009
Pacific Holdings	D	2009
Joint Corporation	D	2009
ES-CON Japan	D	2009
Japan Airlines International	D	2010
Japan Airlines Corporation	D	2010
Willcom	D	2010

2. CDRs Based on Category-wise Corporate Ratings (Table 5)

To validate the adequacy of JCR ratings objectively, 1-, 3- and 5-year CDRs have been calculated based on category-wise corporate ratings, using the data on past records as described in "1. Rating Transition Matrices for Corporations" (for the period from January 2001 to December 2011). The results are as shown in Table 5.

Table 5. CDRs by Rating Category

Rating	One-year	Three-year	Five-year
AAA	0.00%	0.00%	0.00%
AA	0.00%	0.00%	0.00%
A	0.04%	0.05%	0.08%
BBB	0.40%	1.80%	1.85%
BB	1.20%	3.43%	8.02%
B	11.47%	25.41%	32.76%
CCC or lower	58.97%	100.00%	100.00%

Compiled from Rating Transition Matrices for period Jan. 2001 - Dec. 2011

3. Broadly Defined Three-year CDRs Based on Category-wise Ratings (Table 6)

JCR has calculated CDRs based on definition of broadly defined default.

3.1 What is Broadly Defined Default?

JCR has counted those corporations which were accorded debt forgiveness by banks or carried out debt-to-equity swaps as defaults and calculated broadly defined defaults by adding up those defaults and defaults shown in Table 4.

Corporations whose ratings were withdrawn or extinguished have also been included in the default counting for both numerators and denominators for defaulted corporations, and for denominators only for corporations which have not defaulted.

3.2 Method Employed

To calculate the three-year CDRs (average of past 10 years) based on 2011 ratings, JCR counted the number of corporations that defaulted on a broadly defined basis one year, two years and three years later in each rating category at the end of each December for the period from 1999 through 2010, calculated default rates one year, two years and three years later and produced weighted averages against the beginning number of corporations one year, two years and three years later during the period covered. Then, JCR calculated three-year CDRs by accumulating default rates for one year, two years and three years later.

Table 6. Broadly Defined 3-year CDRs by Rating Category (Average of past 10 years)

	AAA-AA	A	BBB	BB	B	CCC or lower
2011	0.00%	0.24%	2.22%	10.12%	52.94%	75.00%

Where DR one year later is α_1 , DR two years later is α_2 and DR three years later is α_3 , three-year CDR equals $1 - (1-\alpha_1) \times (1-\alpha_2) \times (1-\alpha_3)$.

4. Rating Transition Matrices for Asset-backed Securities (ABS)

As in last year, JCR has made public the "Rating Transition by Lapse of Months" and "One-year (on a Calendar Year Basis) Rating Transitions" based on the data in the latest three years.

4.1 Rating Data Employed

The data covered are asset-backed securities with credit enhancement provided in the form of senior-subordinated structure for the underlying assets in principle, for which their ratings were made public from November 1996 to December 2011.

Data on repackaged bonds and guaranteed asset-backed securities linked to ratings of third parties have been excluded.

Asset-backed securities consisting of multiple tranches have been counted as one when they have the same ranking while different in maturities.

4.2 Method Employed

4.2.1 Rating Transition Matrices by Lapse of Months (Tables 7 through 9)

JCR surveyed and tallied how the rating on each of the asset-backed securities changed as months elapsed from that at the time of the issuance. Shown in Tables 7, 8 and 9 are the distributions of changes after the lapse of 12 months, 24 months and 36 months, respectively. Excluded from the tally are the issues redeemed before the end of each period or the issues that, despite changes in ratings, failed to survive each period.

Table 7. 12-months Later Rating Transition Matrix

	AAA	AA+	AA	AA-	A+	A	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	B	B- or lower
AAA	100.00															
AA+	33.33	100.00														
AA	6.67	93.33														
AA-			100.00													
A+				100.00												
A				2.44	97.56											
A-						100.00										
BBB+							100.00									
BBB								95.24	4.76							
BBB-									100.00							
BB+										100.00						
BB											100.00					
BB-												100.00				
B+													100.00			
B														100.00		
B- or lower																

Table 8. 24-months Later Rating Transition Matrix

	AAA	AA+	AA	AA-	A+	A	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	B	B- or lower
AAA	100.00															
AA+	33.33	66.67														
AA	12.00	12.00	72.00		4.00											
AA-			29.41	64.71	5.88											
A+	25.00				75.00											
A	3.03			3.03		93.94										
A-		11.11					88.89									
BBB+								100.00								
BBB									94.12	5.88						
BBB-										100.00						
BB+											100.00					
BB												100.00				
BB-													100.00			
B+														100.00		
B															100.00	
B- or lower																

Table 9. 36-months Later Rating Transition Matrix

	AAA	AA+	AA	AA-	A+	A	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	B	B- or lower
AAA	100.00															
AA+		100.00														
AA	21.05	10.53	52.63		5.26	5.26	5.26									
AA-			13.33	60.00			13.33		6.67	6.67						
A+	50.00				50.00											
A	8.00		8.00	4.00	4.00	76.00										
A-	11.11						77.78	11.11								
BBB+								100.00								
BBB						7.14	7.14		78.57	7.14						
BBB-										100.00						
BB+											100.00					
BB												100.00				
BB-													100.00			
B+														100.00		
B															100.00	
B- or lower																

4.2.2 One-Year (on a Calendar Year Basis) Rating Transition Matrices (Tables 10 & 11)

JCR studied how the ratings at the beginning of January each year changed by the end of the year over the period from 2009 to 2011. The changes in the three years were tallied and averaged as indicated in Table 10. The rating transitions in the year 2011 are also given in Table 11 for reference.

Table 10. One-year (on a Calendar Year Basis) Average Rating Transition Matrix for period 2009 - 2011

	AAA	AA+	AA	AA-	A+	A	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	B	B- or lower
AAA	100.00															
AA+	33.33	66.67														
AA	9.09	4.55	86.36													
AA-			7.69	92.31												
A+			16.67		66.67	16.67										
A	5.26				15.79	73.68					5.26					
A-				11.11			77.78			11.11						
BBB+								100.00								
BBB					20.00				80.00							
BBB-									50.00	50.00						
BB+											100.00					
BB												100.00				
BB-													100.00			
B+														100.00		
B															100.00	
B- or lower																

Table 11. One-year (on a Calendar Year Basis) Rating Transition Matrix for 2011

	AAA	AA+	AA	AA-	A+	A	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	B	B- or lower
AAA	100.00															
AA+		100.00														
AA			100.00													
AA-				100.00												
A+			25.00		75.00											
A					12.50	87.50										
A-				33.33			66.67									
BBB+								100.00								
BBB					50.00				50.00							
BBB-										100.00						
BB+											100.00					
BB												100.00				
BB-													100.00			
B+														100.00		
B															100.00	
B- or lower																100.00

5. Rating Transition Matrices for Other Structured Finance Products

The "One-year (on a Calendar Year Basis) Rating Transitions" for other structured finance products, which are not included in "4. Rating Transition Matrices for Asset-backed Securities (ABS)" are shown in Tables 12, 13 and 14.

5.1 Rating Data Employed

The data covered are (i) other structured finance products, for which their ratings were made public from January 2011 to December 2011, including repackaged bonds and guaranteed structured finance products linked directly to ratings of third parties, etc. that are not included in 4. Rating Transition Matrices for Asset-backed Securities (ABS) above and (ii) Japanese Real Estate Investment Trusts (J-REITs), for which their ratings were made public from January 2011 to December 2011.

Other structured finance products (i) consisting of multiple tranches have been counted as one when they have the same ranking while different in maturities. For (ii), ratings on senior debts have been counted.

5.2 Method Employed

5.2.1 One-Year (on a Calendar Year Basis) Rating Transition Matrices (Tables 12 through 14)

As for the rating data mentioned in 5.1 above, JCR studied how the ratings at the beginning of January changed by the end of the year for 2011. The changes are shown in Tables 12, 13 and 14.

Table 12. Other Structured Finance Products and J-REITs

	AAA	AA+	AA	AA-	A+	A	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	B	B- or lower
AAA	100.00															
AA+		100.00														
AA			100.00													
AA-				52.17			47.83									
A+				25.00	75.00											
A					75.00	25.00										
A-						20.00	80.00									
BBB+								100.00								
BBB									100.00							
BBB-										50.00	50.00					
BB+											100.00					
BB												100.00				
BB-													100.00			
B+														100.00		
B															100.00	
B- or lower																100.00

Table 13. Other Structured Finance Products

	AAA	AA+	AA	AA-	A+	A	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	B	B- or lower
AAA	100.00															
AA+		100.00														
AA			100.00													
AA-				47.62			52.38									
A+				25.00	75.00											
A					100.00											
A-						25.00	75.00									
BBB+								100.00								
BBB									100.00							
BBB-										50.00	50.00					
BB+											100.00					
BB												100.00				
BB-													100.00			
B+														100.00		
B															100.00	
B- or lower																100.00

Table 14. J-REITs

	AAA	AA+	AA	AA-	A+	A	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	B	B- or lower
AAA																
AA+																
AA			100.00													
AA-				100.00												
A+																
A						100.00										
A-							100.00									
BBB+																
BBB																
BBB-																
BB+																
BB																
BB-																
B+																
B																
B- or lower																

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This press release is a corrected release dated March 5, 2012 and March 27, 2014 again because there were mistakes as shown below in the initial release on February 28, 2012.

Correction on March 5, 2012

Table 1. One-year Rating Transition Matrix (counting period: 1 year) on Page 2

		(Wrong)		(Correct)	
		Rating a year later (%)		Rating a year later (%)	
		CCC or lower		CCC or lower	
R a t i n g	I n i t i a l	AAA	0.00		0.00
		AA+	0.00		0.00
		AA	0.00		0.00
		AA-	0.00		0.00
		A+	0.00		0.00
		A	0.00		0.00
		A-	0.00		0.00
		BBB+	0.00		0.06
		BBB	0.00		0.13
		BBB-	0.00		0.02
		BB+	0.01		0.65
		BB	0.00		0.00
		BB-	0.01		1.36
		B+	0.00		0.00
		B	0.00		0.00
		B-	0.02		2.22
CCC or lower		41.03		41.03	

Correction on March 27, 2014

Table 7. 12-months Later Rating Transition Matrix on Page 4

	AA+	AA
AA	(Wrong) 3.33	(Wrong) 96.67
	(Correct) 6.67	(Correct) 93.33

Table 10. One-year (on a Calendar Year Basis) Average Rating Transition Matrix for period 2009 – 2011 on Page 4

	AA+	AA
AA	(Wrong) 0.00 (Correct) 4.55	(Wrong) 90.91 (Correct) 86.36

Table 11. One-year (on a Calendar Year Basis) Rating Transition Matrix for 2011 on Page 5

	AA+	AA
AA	(Wrong) 0.00 (Correct) 10.00	(Wrong) 100.00. (Correct) 90.00