



HR Ratings

Credit Ratings Performance Measurement Statistics
NRSRO Credit Ratings Transition Matrices.

Transition/ Default Matrices of NRSRO ratings are composed in the following subclasses:

- a) Sovereign Issuers.
- b) U.S. Public Finance.
- c) International Public Finance.

*Our ratings range from HR AAA to HR D, a plus or minus sign may be included in the range from HR AA to HR C, to indicate strength or weakness within a general rating category.



Credit Ratings Performance Measurement Statistics

NRSRO Ratings

- One- Year Sovereign Issuers, Long Term Transition Matrix – 2014-2015

Sovereign Issuers - 1 Year Transition and Default Rates
(December 31, 2014 through December 31, 2015)

Credit Ratings as of 12/31/2014		Credit Ratings as of 12/31/2015 (Percent)																		Other Outcomes During 12/31/2014 - 12/31/2015 (Percent)			
Credit Rating Scale	Number of Ratings Outstanding	HR AAA (G)	HR AA + (G)	HR AA (G)	HR AA - (G)	HR A + (G)	HR A (G)	HR A - (G)	HR BBB + (G)	HR BBB (G)	HR BBB - (G)	HR BB + (G)	HR BB (G)	HR BB - (G)	HR B + (G)	HR B (G)	HR B - (G)	HR C + (G)	HR C (G)	HR C - (G)	Default	Paid Off	Withdrawn (Other)
HR AAA (G)																							
HR AA + (G)																							
HR AA (G)																							
HR AA - (G)																							
HR A + (G)																							
HR A (G)																							
HR A - (G)	1							100%															
HR BBB + (G)																							
HR BBB (G)																							
HR BBB - (G)																							
HR BB + (G)																							
HR BB (G)																							
HR BB - (G)																							
HR B + (G)																							
HR B (G)																							
HR B - (G)																							
HR C + (G)																							
HR C (G)																							
HR C - (G)																							
Total	1																						

Source: HR Ratings

- One- Year Sovereign Issuers, Short Term Transition Matrix – 2014-2015

Sovereign Issuers - 1 Year Transition and Default Rates
(December 31, 2014 through December 31, 2015)

Credit Ratings as of 12/31/2014		Credit Ratings as of 12/31/2015 (Percent)						Other Outcomes During 12/31/2014 - 12/31/2015 (Percent)		
Credit Rating Scale	Number of Ratings Outstanding	HR +1 (G)	HR1 (G)	HR2 (G)	HR3 (G)	HR4 (G)	HR5 (G)	Default	Paid Off	Withdrawn (Other)
HR +1 (G)	-	-	-	-	-	-	-	-	-	-
HR1 (G)	-	-	-	-	-	-	-	-	-	-
HR2 (G)	1	-	-	100.0%	-	-	-	-	-	-
HR3 (G)	-	-	-	-	-	-	-	-	-	-
HR4 (G)	-	-	-	-	-	-	-	-	-	-
HR5 (G)	-	-	-	-	-	-	-	-	-	-
Total	1							-	-	-

Source : HR Ratings



- Three- Year Sovereign Issuers, Long Term Transition Matrix – 2012-2015

Sovereign Issuers - 3 Year Transition and Default Rates
(December 31, 2012 through December 31, 2015)

Credit Ratings as of 12/31/2012		Credit Ratings as of 12/31/2015 (Percent)																			Other Outcomes During 12/31/2012 - 12/31/2015 (Percent)		
Credit Rating Scale	Number of Ratings Outstanding	HR AAA (G)	HR AA + (G)	HR AA (G)	HR AA - (G)	HR A + (G)	HR A (G)	HR A - (G)	HR BBB + (G)	HR BBB (G)	HR BBB - (G)	HR BB + (G)	HR BB (G)	HR BB - (G)	HR B + (G)	HR B (G)	HR B - (G)	HR C + (G)	HR C (G)	HR C - (G)	Default	Paid Off	Withdrawn (Other)
HR AAA (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR AA + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR AA (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR AA - (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR A + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR A (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR A - (G)	1	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR BBB + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR BBB (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR BBB - (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR BB + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR BB (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR BB - (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR B + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR B (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR B - (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C - (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: HR Ratings

- Three- Year Sovereign Issuers, Short Term Transition Matrix – 2012-2015

Sovereign Issuers - 3 Year Transition and Default Rates
(December 31, 2012 through December 31, 2015)

Credit Ratings as of 12/31/2012		Credit Ratings as of 12/31/2015 (Percent)						Other Outcomes During 12/31/2012 - 12/31/2015 (Percent)		
Credit Rating Scale	Number of Ratings Outstanding	HR +1 (G)	HR1 (G)	HR2 (G)	HR3 (G)	HR4 (G)	HR5 (G)	Default	Paid Off	Withdrawn (Other)
HR +1 (G)	-	-	-	-	-	-	-	-	-	-
HR1 (G)	-	-	-	-	-	-	-	-	-	-
HR2 (G)	1	-	-	100.0%	-	-	-	-	-	-
HR3 (G)	-	-	-	-	-	-	-	-	-	-
HR4 (G)	-	-	-	-	-	-	-	-	-	-
HR5 (G)	-	-	-	-	-	-	-	-	-	-
Total	1							-	-	-

Source : HR Ratings



- Ten- Year Sovereign Issuers Transition Matrix – 2005-2015

*The ten year Sovereign Issuer Transition Matrix cannot be calculated due to the fact that HR Ratings started issuing Sovereign ratings as of 2012.



Credit Ratings Performance Measurement Statistics

NRSRO Ratings

- One- Year U.S. Public Finance Transition Matrix – 2014-2015

U.S Public Finance - 1 Year Transition and Default Rates
(December 31, 2014 through December 31, 2015)

Credit Ratings as of 12/31/2014		Credit Ratings as of 12/31/2015 (Percent)																		Other Outcomes During 12/31/2014 - 12/31/2015 (Percent)			
Credit Rating Scale	Number of Ratings Outstanding	HR AAA (G)	HR AA + (G)	HR AA (G)	HR AA - (G)	HR A + (G)	HR A (G)	HR A - (G)	HR BBB + (G)	HR BBB (G)	HR BBB - (G)	HR BB + (G)	HR BB (G)	HR BB - (G)	HR B + (G)	HR B (G)	HR B - (G)	HR C + (G)	HR C (G)	HR C - (G)	Default	Paid Off	Withdrawn (Other)
HR AAA (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR AA + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR AA (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR AA - (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR A + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR A (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR A - (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR BBB + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR BBB (G)	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR BBB - (G)	2	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	100%
HR BB + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR BB (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR BB - (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR B + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR B (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR B - (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C + (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C - (G)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: HR Ratings



-Three- Year U.S. Public Finance Transition Matrix – 2012-2015

*The three year U.S. Public Finance Transition Matrix cannot be calculated due to the fact that HR Ratings started issuing U.S. Public Finance ratings as of 2014.



- Ten- Year U.S. Public Finance Transition Matrix – 2005-2015

*The ten year U.S. Public Finance Transition Matrix cannot be calculated due to the fact that HR Ratings started issuing U.S. Public Finance ratings as of 2014.



- One- Year International Public Finance Transition Matrix – 2014-2015

**International Public Finance Issuers - 1 Year Transition and Default Rates
(December 31, 2014 through December 31, 2015)**

Credit Ratings as of 12/31/2014		Credit Ratings as of 12/31/2015 (Percent)																			Other Outcomes During 12/31/2014 - 12/31/2015 (Percent)		
Credit Rating Scale	Number of Ratings Outstanding	HR AAA	HR AA +	HR AA	HR AA -	HR A +	HR A	HR A -	HR BBB +	HR BBB	HR BBB -	HR BB +	HR BB	HR BB -	HR B +	HR B	HR B -	HR C +	HR C	HR C -	Default	Paid Off	Withdrawn (Other)
HR AAA	8	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR AA +	25	20%	72%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8%	-
HR AA	60	10%	12%	77%	2%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR AA -	56	-	-	13%	30%	4%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7%	46%
HR A +	26	-	-	-	23%	62%	4%	4%	-	-	-	-	-	-	-	-	-	-	-	-	-	8%	-
HR A	17	-	-	-	6%	29%	41%	-	-	-	-	-	-	-	-	-	-	-	-	-	6%	6%	12%
HR A -	15	-	-	-	-	-	27%	60%	7%	-	-	-	-	-	-	-	-	-	-	-	-	7%	-
HR BBB +	8	-	-	-	-	-	-	13%	63%	13%	-	13%	-	-	-	-	-	-	-	-	-	-	-
HR BBB	14	-	-	-	-	-	-	-	14%	57%	21%	-	-	-	-	-	-	-	-	-	-	7%	-
HR BBB -	18	-	-	-	-	-	-	-	-	28%	56%	17%	-	-	-	-	-	-	-	-	-	-	-
HR BB +	13	-	-	-	-	-	-	-	-	-	15%	69%	8%	-	-	-	-	-	-	-	-	-	8%
HR BB	7	-	-	-	-	-	-	-	-	-	-	29%	57%	-	-	-	-	-	-	-	-	-	14%
HR BB -	1	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-
HR B +	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR B -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C +	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	268																						

Source : HR Ratings



- Three- Year International Public Finance Transition Matrix – 2012-2015

**International Public Finance Issuers - 3 Year Transition and Default Rates
(December 31, 2012 through December 31, 2015)**

Credit Ratings as of 12/31/2012		Credit Ratings as of 12/31/2015 (Percent)																			Other Outcomes During 12/31/2012 - 12/31/2015 (Percent)		
Credit Rating Scale	Number of Ratings Outstanding	HR AAA	HR AA +	HR AA	HR AA -	HR A +	HR A	HR A -	HR BBB +	HR BBB	HR BBB -	HR BB +	HR BB	HR BB -	HR B +	HR B	HR B -	HR C +	HR C	HR C -	Default	Paid Off	Withdrawn (Other)
HR AAA	3	67%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33%
HR AA +	20	20%	30%	15%	10%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25%	-
HR AA	12	8%	8%	33%	17%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25%	8%
HR AA -	13	15%	-	8%	23%	15%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23%	15%
HR A +	13	-	8%	46%	15%	23%	8%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR A	23	-	-	4%	4%	22%	9%	13%	4%	-	4%	4%	-	-	-	-	-	-	-	-	4%	17%	13%
HR A -	10	-	-	-	10%	10%	20%	20%	-	-	10%	-	-	-	-	-	-	-	-	-	-	10%	20%
HR BBB +	11	-	-	-	-	-	9%	9%	27%	9%	9%	-	-	-	-	-	-	-	-	-	-	-	36%
HR BBB	14	-	-	-	-	-	-	7%	7%	29%	14%	7%	7%	-	-	-	-	-	-	-	-	14%	14%
HR BBB -	11	-	-	-	-	-	-	-	-	27%	-	18%	-	-	-	-	-	-	-	-	18%	-	36%
HR BB +	5	-	-	-	-	-	-	-	-	-	-	40%	20%	-	-	-	-	-	-	-	-	-	40%
HR BB	2	-	-	-	-	-	-	-	-	-	-	50%	50%	-	-	-	-	-	-	-	-	-	-
HR BB -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR B +	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR B	1	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-
HR B -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C +	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HR C -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	138																						

Source: HR Ratings



- Ten- Year International Public Finance Transition Matrix – 2005-2015

*The ten year International Public Finance Transition Matrix cannot be calculated due to the fact that HR Ratings started issuing International Public Finance ratings as of 2008.

Long Term Global Rating Scale

Symbol	Definition of the Rating
HR AAA (G)	The issuer or offering given this rating has the highest credit quality, offering strong security for prompt payment on debt obligations. Minimum credit risk on the global scale.
HR AA (G)	The issuer or offering given this rating has a high credit quality and offers strong security for prompt payment on debt obligations. Very low credit risk on the global scale under adverse economic conditions.
HR A (G)	The issuer or offering given this rating offers acceptable security for prompt payment on debt obligations. Low credit risk on the global scale.
HR BBB (G)	The issuer or offering given this rating offers moderate security for prompt payment on debt obligations. Moderate credit risk on the global scale, with weakness in its ability to pay under adverse economic conditions.
HR BB (G)	The issuer or offering given this rating offers insufficient security for prompt payment on debt obligations. High credit risk on the global scale.
HR B (G)	The issuer or offering given this rating offers low security for prompt payment on obligations. High credit risk on the global scale. Susceptible to fall into default.
HR C (G)	The issuer or offering given this rating offers a high probability of falling into default on the payment of debt obligations.
HR D (G)	The issuer or offering given this rating has the lowest credit rating on the global scale. They are already in default or it is highly likely they will fall into default on payment of their debt obligations in the short term.

**Our ratings range from HR AAA (G) to HR D (G), a plus or minus sign may be included in the range from HR AA (G) to HR C (G), to indicate strength or weakness within a general rating category.*

Short Term Global Rating Scale

Symbol	Definition of the Rating
HR1 (G)	The issuer or offering given this rating offers a high ability to make prompt payment on short-term debt obligations and maintains the lowest credit risk. Instruments with relative superiority in this category in terms of credit characteristics are assigned the rating HR+1 (G).
HR2 (G)	The issuer or offering given this rating offers a reasonable ability to make prompt payment on short-term debt obligations and maintains a higher credit risk compared to instruments with a higher credit rating.
HR3 (G)	The issuer or offering given this rating offers a moderate ability to make prompt payment on short-term debt obligations and maintains a greater credit risk compared to instruments with a higher credit rating.
HR4 (G)	The issuer or offering given this rating offers an insufficient ability to make prompt payment on short-term debt obligations and maintains a very high credit risk. These instruments are susceptible to fall into default.
HR5 (G)	The issuer or offering is highly probable they will fall into default on the payment of debt obligations.
HR D (G)	The issuer or offering given this rating has the lowest credit rating and they are already in default.

Long Term Local Rating Scale

Symbol	Definition of the Rating
HR AAA	The issuer or issue with this rating is considered to have the highest credit quality, offering high safety for timely payment of debt obligations. Maintains minimum credit risk.
HR AA	The issuer or issue with this rating is considered to have high credit quality and offers high safety for timely payment of debt obligations. Maintains very low credit risk under adverse economic scenarios.
HR A	The issuer or issue with this rating offers acceptable safety for timely payment of debt obligations. Maintains low credit risk.
HR BBB	The issuer or issue with this rating provides moderate safety for timely payment of debt obligations. Maintains moderate credit risk, with weakness in the ability to pay in adverse economic scenarios.
HR BB	The issuer or issue with this rating provides inadequate safety for timely payment of debt obligations. Maintains high credit risk.
HR B	The issuer or issue with this rating provides low safety for timely payment of debt obligations and maintains a high credit risk. The issue or issuer is susceptible to falling into default.
HR C	The issuer or issue with this rating exhibits high probability of falling into default in debt obligation payments.
HR D	The issuer or issue with this rating has the lowest rating. The issue is already in, or is highly likely to fall into, default in the short term.

**Our ratings range from HR AAA to HR D, a plus or minus sign may be included in the range from HR AA to HR C, to indicate strength or weakness within a general rating category.*

Default Criteria

HR Ratings' Default Criteria is as follows:

- a) HR Ratings defines "non-compliance" or "default" (HR D) as the failure to comply with the obligatory interest and principal payments according to the original agreed terms. In the context of the responsible entity of complying with the payment, the determination of the credit rating depends on the degree of compliance of its set payment obligations. When the default of an entity covers the "predominant" part of its debt, the rating would be HR D.
- b) When the default extends to a "significant" part of its debt but it is not necessarily predominant, the rating would be HR DS (selective default).
- c) In several cases, an entity may be in difficult conditions that damage its will and/or capacity of complying with its payment obligations according to the original agreed conditions. This may result in a renegotiation of the payment terms between the entity and its creditors. HR Ratings considers a restructure in which the creditors agree to accept the new payment terms knowing that the alternative is to receive inferior payments to the ones originally agreed (or no payment whatsoever), as a "forced restructure". This restructure may represent a "technical default" due to the fact that the entity wouldn't be complying with the original agreed payment terms. The result would be the assignment of a rating of HR DT (technical default) for the instrument(s) in matter, in the moment in which the determined payment is made in the forced restructure.

The definition of default was last updated on November 3rd, 2015, and applies to all asset classes that HR Ratings analyses.

URL

HR Ratings Uniform Resource Locator (URL) of its corporate Internet website where the credit rating histories are disclosed is the following:

- <http://hrratings.com/en/ratings>



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