Summary of Changes to S&P's LEVELS Model (2001-2008)

	Date	Change to LEVELS Model
1	March 2001	LEVELS Version 5.4.2
		• LEVELS version 5.4.2 incorporated updated new rating criteria for simultaneous second lien mortgages, hybrid ad-justable-rate mortgage loans, and subprime loans; and
		• An updated version of Standard & Poor's Economic Index, which adjusts for projected real estate price fluctuations.
2	June 2001	LEVELS Version 5.4.2(a)
		• LEVELS version 5.4.2(a) reflected refined adjustments to the multipliers used to calculate foreclosure frequency through various rating categories.
3	April 2002	LEVELS Version 5.5
		• LEVELS version 5.5 reflected criteria revisions and sev- eral performance enhancements, including the new Stan- dard & Poor's House-Price Volatility Index which meas- ures the likelihood of a price decline over the upcoming three-year period based on the historical distribution of price changes, and measures the long-term growth and volatility of housing prices.
4	October 2003	LEVELS Version 5.6
		• LEVELS version 5.6 included an updated Housing Volatil- ity Index, incorporating a groundbreaking and innovative methodology for measuring housing price volatility at the metropolitan statistical area level.
		• Additional loan level data elements requested.
		• New stress assumptions for manufactured housing added to the model.
		• Revised Loss Severity Model with new data related to time to initiate foreclosure; time to foreclose; bankruptcy de- lays, eviction delays, preservation costs, legal costs, amounts escrowed for taxes and insurance, brokerage costs; and appraisal and lien search.
5	September 2004	Levels Version 5.6(a)
		• New methodology instituted for foreclosure frequency multiple.

6	December 2004	LEVELS Version 5.6(b)
		• LEVELS version 5.6(b) reflected criteria changes, includ- ing:
		 New foreclosure frequency adjustments for certain one-month, six-month, and 12-month adjustable- rate mortgage (ARM) loans;
		 Modification of the loss severity calculation for cer- tain one-month, six-month, and 12-month ARM loans;
		 Adjustments to the foreclosure frequency calcula- tion of certain interest-only loans based on the bor- rower's FICO score;
		 Updates to the Standard & Poor's Housing Volatil- ity Index; and
		 Updates to the Standard & Poor's House Price In- dex.
7	July 2005	LEVELS Version 5.6(c)
		• LEVELS version 5.6(c) included the following changes:
		 Modifications to Standard & Poor's LEVELS Version 5.6(c)'s Residential Mortgage Input File Format, including a loan type code for fixed-rate, interest-only loans, the acceptance of several new appraisal forms, and a new list of reviewed automated valuation models;
		 Incorporation of updated criteria for negative- amortizing option adjustable-rate mortgage loans;
		• The ability to recalculate the loan-to-value ratio ("LTV") of a non-seasoned loan if a curtailment has been made on that loan;
		• A new methodology for analyzing credit enhance- ment levels for a small pool of loans;
		 A shift from using metropolitan statistical areas to using core-based statistical areas in conjunction with the Standard & Poor's House Price Index; and
		 An update of Standard & Poor's House Price Index with Office of Federal Housing Enterprise Over- sight data from first-quarter 2005.
8	February 2006	LEVELS Version 5.6(d)
		• LEVELS version 5.6(d) included the following changes:

		 A 50% assumed discount to the increase in a property's appraised value calculated by Standard & Poor's House Price Index if the data shows that appreciation has occurred;
		 Adjustments to the calculation of loan-to-value for Option ARM loans that have experienced negative amortization;
		 Standard & Poor's House Price Index was updated with Office of Federal Housing Enterprise Over- sight data from third-quarter 2005.
9	April 2006	LEVELS Version 5.7
		• LEVELS version 5.7 included the following changes:
		 Adjusted foreclosure frequency of first lien with simultaneous second lien loans;
		 An increase in base case foreclosure frequency as- sumptions for poor quality loans due to increased risk layering;
		 Adjustment to certain assumptions made with re- spect to extremely high quality loans; and
		 Updated House Price Volatility Index, which in- crease loss severity and, consequently, loss cover- age levels.
10	March 2007	LEVELS Version 6.0
		• LEVELS version 6.0 included the following changes:
		 Use of combined loan-to-value ("CLTV") in analyzing the probability of default (instead of first-lien LTV with a simultaneous second-lien penalty) for first-lien loans with simultaneous seconds; and
		 Increased emphasis on combined loan-to-value and FICO in analyzing probability of default. For ex- ample, assigning the same probability of default to 80% LTV first-lien loans with a 20% simultaneous second lien (80/20 loans) as assigned to 100% LTV loans.
11	November 2007	LEVELS Version 6.1
		• LEVELS version 6.1 reflected changes to S&P's credit en- hancement assumptions for first-lien, and closed-end sec- ond-lien, prime, Alt-A, and subprime transactions.

		Changes from LEVELS 6.0 included the following:
		 Reduced emphasis on FICO scores for loans with high levels of layered risk, which would generally result in higher assumed foreclosure frequency;
		 Increased foreclosure frequency assumptions for two-year hybrid ARM loans, low-FICO/high- CLTV purchase loans, and loans with no income documentation; and
		 Incorporation of newly released Office of Federal Housing Enterprise Oversight house price data into Standard & Poor's Housing Volatility Index. De- pending on geographic dispersion, this could result in increased loss severity and loss coverage levels.
12	January 2008	LEVELS Version 6.2
		• LEVELS version 6.2 included the following changes:
		 Loans coded with unknown appraisal type are as- sessed with a 100% foreclosure frequency; and
		 Adjustments to the ratings of primary mortgage in- surers which have an impact on loss severity.
13	March 2008	LEVELS Version 6.3
		• LEVELS version 6.3 reflected revisions to certain ratings assumptions resulting in changes to credit enhancement levels for first-lien and closed-end, second-lien prime, Al- ternative-A, and subprime transactions. Changes in the LEVELS 6.3 release included:
		 Increased functionality with respect to home equity line of credit (HELOC) loans;
		 Adjustments to delinquency assumptions;
		 Update to loss severity assumptions based on cer- tain state foreclosure timeline extensions;
		 Updates to data regarding the rating levels of mort- gage insurers; and
		 Updates to Standard & Poor's House Price Index with recent Office of Federal Housing Enterprise Oversight data

14	July 2008	LEVELS Version 6.4.3
		• LEVELS version 6.4.3 included the following changes:
		 Adjustments to the loan-level probability of default assumptions for certain loan types, including short- term hybrid adjustable-rate mortgage loans, inter- est-only mortgage loans, and mortgage loans that allow for negative amortization;
		 Updates to Standard & Poor's House Price Index with data from the Office of Federal Housing En- terprise Oversight for the first quarter of 2008;
		 Revisions to the Housing Volatility Index;
		 Adjustments to the impact of loan-to-value ratios and combined loan-to-value ratios on credit en- hancement; and
		 Revisions to loan-level adjustments for credit en- hancement from the inclusion of primary mortgage insurance.