Ivan Gjaja
(212) 783-6350
ivan.m.gjaja@ssmb.com
Lakhbir Hayre
(212) 783-6349
lakhbir.s.hayre@ssmb.com

## Prepayment and Valuation Comparisons for New and Old HEL Models

The new Salomon Smith Barney issuer-specific home equity loan (HEL) prepayment models, which were released on Yield Book on June 1, ${ }^{7}$ offer significantly improved prepayment projections and valuation of securities. ${ }^{8}$ In contrast to the old model, the new models have:

- Refinancing incentives based, in essence, on a current coupon specific to an issuer;
- Greater distinction between issuers under all interest-rate scenarios; and
- Different option-adjusted spreads (OASs), weighted average lives (WALs), and other valuation parameters for many bonds.


## Prepayment Projections

Projected speeds obtained from the old and new models for five seasoned deals issued by different lenders are displayed in Figure 1. All deals were originated in early 1996, when the coupon rates for conforming mortgages were within 30bp of the current rate levels. Therefore, the deals are not significantly in the money at present.

| Figure 1. Comparison of New and Old Model Prepayment Projections |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Historical Speeds (\% CPR) |  |  |  |  | Projected Speeds |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | -300 |  | -200 |  | -100 |  | 0 |  | +100 |  | +200 |  | +300 |  |
|  | WAC WAM | WALA | 1-Mo. | 3-Mo. | 12-Mo. |  | 1-Yr. | LT | 1-Yr. | LT | 1-Yr. | LT | 1-Yr. | LT | $1-\mathrm{Yr}$. | LT | 1-Yr. | LT | 1-Yr. | LT |
| EQOC96.2 | 9.85\% 12-08 | 26 | 36.8 | 32.3 | 30.1 | N | 51.7 | 50.9 | 45.1 | 45.1 | 38.2 | 37.6 | 31.4 | 31.0 | 29.2 | 27.9 | 23.3 | 19.1 | 18.8 | 12.2 |
|  |  |  |  |  |  | C | 51.6 | 47.8 | 48.8 | 44.3 | 40.3 | 36.4 | 28.3 | 28.1 | 25.1 | 24.6 | 23.1 | 22.0 | 21.9 | 20.3 |
| TMS 96.B | 10.74\% 20-08 | 25 | 34.0 | 30.8 | 27.5 | N | 46.9 | 44.5 | 41.9 | 40.3 | 37.1 | 35.0 | 30.0 | 27.7 | 27.2 | 24.2 | 24.2 | 19.3 | 22.3 | 16.0 |
|  |  |  |  |  |  | C | 50.7 | 45.2 | 50.2 | 44.0 | 45.2 | 37.6 | 32.7 | 29.1 | 29.7 | 25.9 | 27.0 | 22.6 | 25.7 | 20.9 |
| UCFC 96.B | 11.53\% 19-01 | 25 | 33.6 | 29.5 | 29.2 | N | 48.2 | 46.0 | 44.1 | 42.4 | 36.0 | 35.2 | 29.0 | 29.4 | 27.2 | 26.8 | 22.9 | 21.0 | 19.3 | 16.1 |
|  |  |  |  |  |  | C | 53.5 | 49.6 | 53.1 | 48.5 | 45.2 | 40.2 | 29.4 | 28.6 | 27.2 | 25.8 | 24.5 | 22.5 | 22.5 | 19.9 |
| OONT 96.2 | 11.03\% 15-04 | 23 | 35.8 | 31.9 | 32.3 | N | 52.6 | 50.2 | 46.9 | 45.2 | 40.5 | 38.4 | 33.7 | 32.0 | 31.4 | 28.9 | 25.1 | 19.9 | 20.4 | 12.7 |
|  |  |  |  |  |  | C | 51.6 | 47.4 | 51.0 | 45.7 | 44.8 | 38.1 | 32.3 | 29.3 | 29.0 | 25.6 | 26.4 | 22.5 | 25.3 | 20.7 |
| $\overline{\mathrm{IMC} 96.2}$ | 11.79\% 16-02 | 33 | 34.3 | 29.4 | 27.9 | N | 47.2 | 44.7 | 42.0 | 40.2 | 35.1 | 33.4 | 28.7 | 27.6 | 27.1 | 25.4 | 23.3 | 20.1 | 20.2 | 15.5 |
|  |  |  |  |  |  | C | 51.7 | 46.3 | 51.2 | 45.0 | 45.2 | 38.0 | 31.6 | 29.4 | 29.4 | 26.9 | 27.0 | 23.6 | 24.5 | 21.2 |

[^0]Both the baseline speeds and the response to interest-rate rallies can be significantly different for the two models. In the new model, an instantaneous drop in interest rates of 100bp would trigger increases in long-term speeds of about $6 \%-7 \%$ CPR. In contrast, the speed increases in the old model are greater than $8 \%$ CPR for all deals, reaching $11.6 \% \mathrm{CPR}$

[^1]The new model uses issuer-specific current coupons.

Responsiveness to changes in interest rates can vary by issuer.
for UCFC96.B. The differences are even more pronounced for one-year speeds. This does not mean that the new model is less reactive in declining interest-rate scenarios; in fact, as indicated in last week's article, the new model has a stronger media effect. The differences arise from a more accurate representation of the refinancing incentive, due to using issuerspecific current coupon series. In light of historical speeds, the new model projections are more reliable. Figure 2 displays the aggregate historical speeds for the five issuers since January 1996.

| Figure 2. Aggregate HEL and Conventional Historical Prepayments, Jan 96 -Apr 98 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FHLMC |  |  |  |  |  |  |  |
|  | Mortgage | Aggregate CPRs (\%) |  |  |  |  |  |
| Date | Rate | Conti | IMC | EQCC | UCFC | TMS | Conventional |
| 01/96 | 7.04 | 25.5 | --- | 25.1 | --- | 17.5 | 10.1 |
| 02/96 | 7.10 | 28.3 | --- | 28.4 | --- | 18.8 | 12.8 |
| 03/96 | 7.60 | 32.4 | --- | 33.9 | --- | 23.6 | 13.9 |
| 04/96 | 7.90 | 37.0 | --- | 31.9 | --- | 21.8 | 12.4 |
| 05/96 | 8.07 | 33.4 | --- | 32.6 | --- | 23.7 | 10.6 |
| 06/96 | 8.29 | 28.2 | --- | 31.1 | --- | 23.0 | 8.9 |
| 07/96 | 8.25 | 32.5 | 39.0 | 32.0 | --- | 19.1 | 8.9 |
| 08/96 | 7.99 | 30.3 | 35.7 | 31.4 | --- | 22.3 | 8.5 |
| 09/96 | 8.22 | 27.1 | 31.3 | 27.6 | --- | 19.5 | 7.3 |
| 10/96 | 7.93 | 33.2 | 27.3 | 30.5 | --- | 22.5 | 7.6 |
| 11/96 | 7.64 | 28.3 | 25.3 | 27.3 | --- | 20.2 | 7.3 |
| 12/96 | 7.57 | 29.8 | 34.8 | 30.6 | --- | 22.3 | 8.6 |
| 01/97 | 7.82 | 26.4 | 23.0 | 27.0 | --- | 17.5 | 7.4 |
| 02/97 | 7.69 | 30.1 | 27.1 | 25.7 | --- | 18.2 | 6.7 |
| 03/97 | 7.85 | 31.1 | 29.5 | 28.5 | --- | 21.7 | 8.3 |
| 04/97 | 8.13 | 30.9 | 33.6 | 30.3 | 31.6 | 25.1 | 8.7 |
| 05/97 | 7.95 | 31.4 | 23.1 | 27.2 | 28.8 | 23.0 | 8.7 |
| 06/97 | 7.74 | 29.8 | 31.1 | 27.7 | 23.7 | 21.8 | 9.3 |
| 07/97 | 7.49 | 37.2 | 32.5 | 28.9 | 32.0 | 25.4 | 10.2 |
| 08/97 | 7.47 | 30.4 | 26.0 | 28.7 | 28.9 | 22.7 | 10.9 |
| 09/97 | 7.45 | 33.0 | 31.1 | 28.2 | 27.3 | 25.1 | 11.3 |
| 10/97 | 7.32 | 34.3 | 32.1 | 30.2 | 31.9 | 27.0 | 12.0 |
| 11/97 | 7.21 | 31.0 | 25.4 | 28.0 | 27.2 | 25.5 | 12.2 |
| 12/97 | 7.11 | 35.1 | 25.8 | 32.4 | 27.0 | 32.0 | 13.6 |
| 01/98 | 6.98 | 27.4 | 22.5 | 23.0 | 29.9 | 22.4 | 12.6 |
| 02/98 | 7.05 | 32.2 | 26.5 | 26.8 | 28.9 | 25.6 | 22.5 |
| 03/98 | 7.12 | 37.7 | 29.9 | 34.0 | 30.4 | 32.7 | 26.7 |
| 04/98 ${ }^{\text {a }}$ | 7.14 | NA | 32.2 | 33.0 | 33.9 | 32.7 | 22.3 |

NA Not available.
Source: Smith Barney Inc./Salomon Brothers Inc.
As we discussed previously, ${ }^{9}$ historically the first 100bp drop in rates has generally led to increases in speeds of less than $6 \%$ CPR. The slightly greater increase in the new model is a result of two factors. First, the deals displayed are already about 30bp-40bp in the money and hence are closer to the steepest part of the refinancing curve. Second, a decline of 100bp would bring the conforming mortgage rate to about $6 \%$ - a level not seen in several decades. The strong media effect that would accompany such a decline would inevitably lead to an extra increase in speeds.

Under a severe decline in rates, say, of 300 bp , the new model makes sharper distinctions between issuers. EquiCredit and Conti displayed greater increases in one-year and long-term speeds than the others. This distinction is supported by historical data in Figure 2 (although the process of aggregation suppresses response to interest rates). During the refinancing wave of 1998, EquiCredit and Conti showed stronger response to rate movements than the other issuers. A similar comparison can be made between these two issuers and The Money Store deals during the refinancing wave of early 1996.

When interest rates increase dramatically, by 200bp-300bp, the old and new models again project significantly different speeds. Compared to the old model, the new model projects a much larger slowdown of prepayments. The main reason for the decrease in speeds is a larger drop in credit-driven refinancings. When the conforming mortgage rate becomes comparable to

[^2]the WAC of the deal, the incentive to refinance to take advantage of improvement in credit standing is strongly diminished. The old model does not explicitly account for this scenario.

## Valuation

Results from the new model suggest how important it is to project prepayments on an issuer-by-issuer basis. Bonds that have a given OAS using the old model may have a significantly different OAS using the new model. Figure 3 provides an illustration of pricings of a sample of relatively long-term WAL senior tranches, mostly on loans originated around the middle of 1997.

| Figure 3. Valuation of Securities Under the New and Old Models, as of Close of 4 Jun 98 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\frac{\text { Security }}{\text { OONTI97.3 A8 }}$ | Coupon | Price |  | 1-Yr. LT CPR |  |  | Sprd WAL | Eff. | $\begin{array}{r} \text { Eff. } \\ \text { Conv. } \end{array}$ | Yield Curve Margin | OAS | $\begin{aligned} & \text { Option } \\ & \text { Cost } \end{aligned}$ |
|  |  |  | N | 33.5 | 33.6 | $7.08$ | 125 | 3.8 | -2.8 | 111 | 74 | 37 |
|  |  |  | C | 33.7 | 32.2 | 8.15 | 134 | 3.2 | -3.5 | 118 | 81 | 37 |
| OONT195.2 A5 | 8.10 \$103-28+ |  | N | 36.3 | 34.8 | 4.01 | 138 | 1.6 | -1.0 | 87 | 72 | 15 |
|  |  |  | C | 35.2 | 32.9 | 4.36 | 146 | 1.5 | -1.3 | 100 | 76 | 24 |
| IMC97.3 A6 | 7.52 | \$103-16 | N | 28.3 | 28.6 | 8.05 | 137 | 3.6 | -2.6 | 117 | 81 | 35 |
|  |  |  | C | 33.1 | 31.9 | 6.18 | 121 | 2.0 | -3.3 | 105 | 62 | 42 |
| TMS 97.B A7 | 7.27 \$102-20+ |  | N | 29.2 | 30.1 | 5.97 | 115 | 4.1 | -1.9 | 113 | 80 | 33 |
|  |  |  | C | 33.8 | 32.6 | 5.4 | 110 | 3.3 | -1.9 | 108 | 77 | 31 |
| UCFC97.B A5 | 7.27 | \$102-29+ | N | 29.1 | 30.1 | 7.50 | 121 | 4.7 | -1.6 | 119 | 88 | 31 |
|  |  |  | C | 33.6 | 32.7 | 6.76 | 116 | 4.0 | -2.1 | 115 | 82 | 32 |
| EQ0097.3 A7 | 6.93 | \$102-00 | N | 26.5 | 28.3 | 6.33 | 102 | 3.8 | -1.7 | 97 | 71 | 27 |
|  |  |  | C | 26.1 | 26.5 | 7.43 | 108 | 3.9 | -1.5 | 101 | 83 | 18 |

Effective duration, effective convexity, yield curve margin, option-adjusted spread, and option cost are priced to call.
N New prepayment model. Odd prepayment model.
Source: Smith Barney Inc./Salomon Brothers Inc.

As the numbers indicate, differences between the new and old models are not all in the same direction. This lack of directionality points to altered relative values. For example, the new model suggests that EQCC97.3 A7 is rich compared to UCFC97.B A5, on an OAS basis, whereas the old model does not allow for such a conclusion.

While the OASs in the new model are generally within 10bp of the ones in the old model, for IMC97.3 A6 the deviation is larger (19bp). This reflects two differences between the new and old models. The new model recognizes the slower speeds on IMC deals, which for a premium bond leads to a significant increase in static spreads (including the yield curve margin, or zero-volatility OAS). Second, the new model also has a lower option cost (convexity effect), reflecting the relative stability of IMC speeds. The combination of these two factors gives rise to a large increase in the OAS for the new model. These factors also translate into significant differences in effective durations and convexities, with direct implications for hedging.

Figure 4. Percentage of ABS Floating-Rate and Fixed-Rate Issuance, 1996 to Year-to-Date

|  | $1996-97$ | 1998 |
| :--- | :---: | :--- |
| Roating-Rate | $44.9 \%$ | $35.3 \%$ |
| Fxed-Rate | 55.1 | 64.7 |

ABS Asset-backed security
Source: Salomon Brothers Inc/Smith Barney Inc

| Figure 5. Year-to-Date ABS Issuance by Sector, 1997-1998 (Dollars in Billions) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1997 | \% | 1998 | \% |
| Auto Loans | \$10.4 | 19.8 | \$13.9 | 19.8 |
| Oredit Cards | 14.0 | 26.6 | 15.0 | 26.6 |
| Home Equity Loans | 16.0 | 30.4 | 19.6 | 30.4 |
| Manufactured Housing | 2.8 | 5.3 | 4.9 | 5.3 |
| Student Loans | 2.8 | 5.3 | 4.8 | 5.3 |
| Other | 6.6 | 12.6 | 8.4 | 12.6 |
| Total | \$52.6 |  | \$66.6 |  |

NA Not Applicable. Source: MCM "Corporatewatch."

${ }^{{ }^{a}}$ Assumes collateral original WAM of 60 months and remaining WAM of 54 months, $9 \%$ coupon, $1.3 \%$ ABS prepayment speed. ${ }^{\text {b }}$ Assumes collateral original WAM of 60 months and remaining WAM of 30 months, $9 \%$ coupon, $1.3 \%$ ABS prepayment speed. ${ }^{\text {C }}$ Assumes collateral remaining WAM of 174 months, $11 \%$ coupon, $20 \%$ CPR prepayment speed. ${ }^{\text {d }}$ Assumes collateral remaining WAM of 120 months, $11 \%$ coupon, $20 \%$ CPR prepayment speed, security maturity in 30 months. bp Basis points. H且 Home equity loan-backed securities. WAM Weighted average maturity.
Source: Salomon Brothers Inc./Smith Barney Inc.

| Figure 7. Fixed-Rate ABS Secondary Market Spreads to Benchmark Treasuries |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | AAA |  |  | A |  |  |
|  |  | 5 Jun 98 Spread | 1 Week Change | 1 Year <br> SD of 1 Week Spread Changes | 5 Jun 98 Spread | 1 Week Change | 1 Year <br> SD of 1 Week Spread Changes |
| 2-Yr. | Auto | 36bp | +1bp | 1.5bp | 60bp | Obp | 1.1bp |
|  | Credit Card | 35 | 0 | 1.3 | 53 | 0 | 0.9 |
|  | Home Equity | 52 | 0 | 1.7 | NA |  |  |
|  | Man. Housing | 48 | 0 | 1.9 | NA |  |  |
| $3-\mathrm{Yr}$. | Wholesale Auto | 38 | +2 | 1.3 | 54 | 0 | 1.1 |
|  | Oredit Card | 37 | +1 | 1.4 | 54 | 0 | 1.1 |
|  | Home Equity | 63 | 0 | 1.6 | NA |  |  |
|  | Man. Housing | 52 | 0 | 2.3 | NA |  |  |
| 5 Yr | Wholesale Auto | 43 | +1 | NA | NA |  |  |
|  | Oredit Card | 43 | +1 | 1.8 | 62 | 0 | 1.9 |
|  | Home Equity | 84 | -1 | 1.7 | NA |  |  |
|  | Man. Housing | 63 | 0 | 2.0 | NA |  |  |
| 7 Yr | Wholesale Auto | 48 | +3 | NA | NA |  |  |
|  | Oredit Card | 48 | +3 | NA | 65 | 0 | NA |
|  | Home Equity | 102 | 0 | NA | NA |  |  |
|  | Man. Housing | 75 | -2 | NA | NA |  |  |
| 10-Yr. | Wholesale Auto | 60 | 0 | NA | 80 | 0 |  |
|  | Oredit Card | 60 | 0 | 1.9 | 80 | 0 | 1.8 |
|  | Home Equity | 125 | 0 | 2.3 | NA |  |  |
|  | Man. Housing | 95 | -5 | 1.7 | NA |  |  |

bp Basis points. SD Standard deviation.
Source: Salomon Brothers Inc./Smith Barney Inc.

| Figure 8. Floating-Rate ABS Secondary Market Discount Margins (Over One-Month LIBOR) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | AAA |  |  | A |  |  |
|  |  | $\begin{array}{r} 5 \mathrm{Jun} 98 \\ \mathrm{DM} \\ \hline \end{array}$ | 1 Week Change | 1 Year <br> SD of 1 Week Spread Changes | $\begin{array}{r} 5 \mathrm{Jun} 98 \\ \mathrm{DM} \\ \hline \end{array}$ | 1 Week Change | 1 Year <br> SD of 1 Week Spread Changes |
| 2-Yr. | Auto | 2 pp | +1bp | 0.6bp | 15bp | Obp | 1.0bp |
|  | Credit Card | 2 | +1 | 0.6 | 15 | 0 | 1.0 |
|  | Home Equity | 10 | 0 | 0.6 | 28 | 0 | 1.0 |
| $3-\mathrm{Yr}$. | Wholesale Auto | 4 | +1 | 0.6 | 20 | 0 | 0.8 |
|  | Credit Card | 4 | +1 | 0.6 | 20 | 0 | 0.8 |
|  | Home Equity | 13 | 0 | 0.4 | 31 | 0 | 0.9 |
| 5-Yr. | Wholesale Auto | 8.5 | +0.5 | NA | 26 | 0 | NA |
|  | Credit Card | 8.5 | +0.5 | 0.6 | 26 | 0 | 0.8 |
|  | Home Equity | 15 | 0 | 0.3 | 33 | 0 | 0.5 |
| 7-Yr. | Wholesale Auto | 11 | 0 | NA | 28 | 0 | NA |
|  | Oredit Card | 11 | 0 | 0.6 | 28 | 0 | 0.9 |
| 10-Yr. | Wholesale Auto | 16 | 0 | NA | 33 | 0 | NA |
|  | Oredit Card | 16 | 0 | NA | 33 | 0 | NA |

bp Basis points. LIBOR London Interbank Offered Rate. SD Standard deviation.
Source: Salomon Brothers Inc./Smith Barney Inc.

| Figure 9. ABSs --Representative Secondary Trading Levels |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Floating-Rate |  |  |  |  |  |  |
| Issue | Avg. Life | DM | Price | Cap. |  |  |
| FUSAM 95-1 A | 0.8Yrs | 1 | 100-03 | None |  |  |
| ADVCC95-A A | 1.8 | 4 | 100-07+ | None |  |  |
| FUSAM 95-2 A | 3.8 | 7 | 100-18+ | None |  |  |
| CCIMT 96-5 A | 5.3 | 6 | 100-06+ | None |  |  |
| MBNA 96-B A | 7.8 | 11 | 100-30+ | None |  |  |
| Fixed-Rate |  |  |  |  |  | Static |
| Issue | Coupon | Avg.-Life | Spread | Price | Yield | Spread |
| FORD 95-B A | 5.900 | 0.6@1.5 ABSYrs | 40bp | 100-02+ | 5.826@YTC | 36bp |
| UAC 96-B A | 6.450 | 1.2@1.6 ABS | 52 | 100-11+ | 6.090 | 52 |
| PRAT 96-4 A4 | 6.400 | 1.4@1.6 ABS | 34 | 100-23 | 5.922 | 34 |
| CCIMT 94-3 A | 6.800 | 0.8 | 32 | 100-24 | 5.832 | 32 |
| MBNA 95-D A | 6.050 | 2.0 | 32 | 100-12+ | 5.910 | 32 |
| CHEMT 95-3 A | 6.230 | 4.2 | 47 | 100-22+ | 6.112 | 47 |
| CCIMT 94-2 A | 7.250 | 7.9 | 55 | 106-04+ | 6.243 | 55 |

Source: Salomon Brothers Inc./Smith Barney Inc.
$\square$ Net Yield $\square$ Gross Yield


Source: Master Trust 8-Ks, Bloomberg, Bloomberg Oredit Card Reports.

Figure 11. Credit Card Master Trust Defaults Reported for April 98


Source: Master Trust 8-Ks, Bloomberg, Bloomberg Oredit Card Reports.

Figure 12. Credit Card Master Trust Excess Spreads Reported for April 98


Source: Master Trust 8-Ks, Bloomberg, Bloomberg Oredit Card Reports.

| Figure 13．Recent Issuance |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Issuer | Asset Type | Class | Size <br> Mils． | Credit Enhancement | WAL | Pricing Speed | Spread |
| 6／5／98 | Mortgage Lenders Network 1998－2 | HE | A－1A | 93.30 | 100\％MBIA | 3.10 | 25\％HE | 90／6．625 7／01 |
|  |  |  | A－2A | 60.00 |  | 3.10 |  | 88／6．625 7／01 |
| 6／3／98 | Centex Home Equity 1998－2 | HE | A－1 | 47.00 | 100\％MBIA | 1.00 | 120\％PPC | 50／6．25 5／99 |
|  |  |  | A－2 | 36.10 |  | 2.79 |  | 67／5．375 2／01 |
|  |  |  | A－3 | 17.00 |  | 5.00 |  | 86／5yr |
|  |  |  | A－4 | 14.20 |  | 9.84 |  | 119／6．125 8／07 |
|  |  |  | A－5 | 12.70 |  | 6.47 |  | 78／7．875 11／04 |
|  |  |  | A．6 | 73.00 |  | 2.59 |  | 1ML＋15 |
| 6／3／98 | CIT RV Owner Trust 1998－A | RV | A－1 | 111.00 | Sr／Sub | 0.70 | 1．4\％ABS | Libor＋3 |
|  |  |  | A－2 | 94.00 |  | 1.97 |  | 44／6．375 5／00 |
|  |  |  | A－3 | 54.00 |  | 2.96 |  | 48／6．50 5／01 |
|  |  |  | A－4 | 80.00 |  | 3.94 |  | 54／6．50 5／02 |
|  |  |  | A－5 | 37.00 |  | 4.82 |  | 60／5．75 4／03 |
|  |  |  | E | 18.00 |  | 4.92 |  | 78／5．75 4／03 |
|  |  |  | C | 6.00 |  | 4.92 |  | 120／5．75 4／03 |
| 6／3／98 | CSXT Trade Receivables Master Trust 1998－1 | C | A | 300.00 | NA | 5.00 | 83．8\％MPR | 50／5．75 4／03 |
| 6／3／98 | Provident Home Equity 1998－2 | HE | A－1 | 28.44 | 100\％MBIA | 0.90 | NA | 1ML＋5 |
|  |  |  | A－2 | 12.90 |  | 2.10 |  | 48／6．125 7／00 |
|  |  |  | A－3 | 13.37 |  | 3.00 |  | 58／6．625 6／01 |
|  |  |  | A－4 | 10.19 |  | 4.10 |  | 65／6．00 7／02 |
|  |  |  | A－5 | 12.57 |  | 6.70 |  | 86／6．50 5／05 |
|  |  |  | A－6 | 36.51 |  | 0.80 |  | 干＋23 |
|  |  |  | A． 7 | 121.02 |  | 4.70 |  | 1ML＋18 |
| 6／2／98 | American Business Financial 1998－2 | HE | A－1 | 38.70 | 100\％FSA | 0.90 | 23\％Hت | 1ML＋5 |
|  |  |  | A－2 | 14.20 |  | 2.00 |  | 57／5．625 4／00 |
|  |  |  | A－3 | 24.90 |  | 3.00 |  | 68／6．625 6／01 |
|  |  |  | A－4 | 14.10 |  | 5.00 |  | 89／5．75 4／03 |
|  |  |  | A－5 | 14.48 |  | 7.50 |  | 120／6．125 8／07 |
|  |  |  | A－6 | 11.82 |  | 6.50 |  | 82／7．875 11／04 |
| 5／29／98 | IMCHome Equity Loan Trust 1998－3 | HE | A－1 | 75.00 | 100\％FSA | 0.33 | 100\％PPC | 4ML－5 |
|  |  |  | A－2 | 228.30 |  | 1.00 |  | 48／6．00 6／99 |
|  |  |  | A－3 | 198.19 |  | 2.00 |  | 52／5．625 4／00 |
|  |  |  | A－4 | 118.58 |  | 3.00 |  | 64／5．375 2／01 |
|  |  |  | A－5 | 95.07 |  | 4.00 |  | 75／6．25 6／02 |
|  |  |  | A．6 | 100.87 |  | 5.40 |  | 85／5．75 4／03 |
|  |  |  | A－7 | 113.98 |  | 7.70 |  | 112／5．625 2／06 |
|  |  |  | A－8 | 70.00 |  | 6.27 |  | 74／7．875 11／04 |
| 5／29／98 | Merrill Lynch Mortgage Investors 1998－F1 | HE | A－1 | 170.90 | Sr／Mezz／Sub | 2.60 | 25\％CPR | 1ML＋15 |
|  |  |  | M－1 | 11.90 |  | 5.20 |  | 1ML＋37 |
|  |  |  | M－2 | 9.40 |  | 5.10 |  | 1ML＋58 |
|  |  |  | E | 5.90 |  | 5.10 |  | $1 \mathrm{ML}+110$ |
| 5／28／98 | Amresco Residential Securities Mortgage Loan Trust 1998－2 | HE | A－1 | 116.00 | Sr／Mezz／Sub | 0.80 | 24\％Hت | 50／5．50 4／99 |
|  |  |  | A－2 | 61.00 |  | 2.00 |  | 52／5．625 4／00 |
|  |  |  | A－3 | 36.00 |  | 3.00 |  | 62／6．625 6／01 |
|  |  |  | A－4 | 37.00 |  | 5.10 |  | 84／5yr |
|  |  |  | A－5 | 16.00 |  | 12.10 |  | 112／6．125 8／07 |
|  |  |  | A－6 | 35.00 |  | 6.70 |  | 75／7．875 11／04 |
|  |  |  | M－1F | 19.25 |  | 6.00 |  | 112／5．875 2／04 |
|  |  |  | M－2F | 15.75 |  | 5.90 |  | 142／5．875 2／04 |
|  |  |  | B－1F | 14.00 |  | 5.60 |  | 210／5．875 $2 / 04$ |
|  |  |  | A－7 | 150.00 |  | 0.90 |  | 1ML＋4 |
|  |  |  | A－8 | 376.50 |  | 2.80 |  | 1ML＋15．5 |
|  |  |  | M－1A | 50.00 |  | 5.00 |  | 1ML＋33 |
|  |  |  | M－2A | 39.00 |  | 4.90 |  | 1ML＋55 |
|  |  |  | B－1A | 32.50 |  | 4.80 |  | $1 \mathrm{ML}+115$ |
| 5／28／98 | Oakwood Mortgage Investors 1998－B | MH | A－1 | 62.90 | Sr／Mezz／Sub | 1.10 | 180\％MHP | 1ML＋4 |
|  |  |  | A－2 | 57.60 |  | 3.10 |  | 53／6．625 7／01 |
|  |  |  | A－3 | 33.70 |  | 5.10 |  | 67／5．75 4／03 |
|  |  |  | A－4 | 18.70 |  | 7.10 |  | 75／6．50 5／05 |
|  |  |  | A－5 | 64.90 |  | 11.98 |  | 105／6．125 8／07 |
|  |  |  | M－1 | 23.30 |  | 9.67 |  | 118／6．125 8／07 |
|  |  |  | M－2 | 12.80 |  | 9.61 |  | 140／6．125 8／07 |
|  |  |  | B－1 | 11.30 |  | 9.09 |  | 183／6．125 8／07 |
|  |  |  | B－2 | 15.00 |  | 10.16 |  | 215／6．125 8／07 |
| 5／20／98 | WMCMortgage 1998－A | HE | A | 624.00 | Sr／Mezz／Sub | 2.35 | 25\％CPR | 1ML＋17 |
|  |  |  | M－1 | 72.00 |  | 5.37 |  | 1ML＋42 |
|  |  |  | M－2 | 56.00 |  | 5.29 |  | 1ML＋63 |
|  |  |  | E | 44.00 |  | 5.26 |  | $1 \mathrm{ML}+125$ |

ABS Asset－backed securities．AD Auto dealer floorplan．AIR Airplane leases．AL Auto loan．ALEAutomobile lease．BL Boat Loan．CA Controlled amortization．OC Oredit card．OCA Cash collateral account．CHCCharge card．CIA Collateral invested amount．OON Consumer loans．DF Dealer floorplan．且 Equipment loan．用 Farm equipment loan．FFed funds．Whole 1st \＆2nd liens．HE Home equity．HIL Home Improvement loan．MB Mortgage backed．Mezz．Mezzanine．MH Manufactured housing．NA Not available．OOher．OCOercollateralized．RICRetail installment contracts．RV Recreational vehicle．BA Small business association loans．SL Student loan．TL Truck loan．Sub．Subordinate．UBA Utility bill allocations．WAL Weighted average life．WHL Wholesale inventory．WI When issued．
Source：MCM＂Corporatewatch．


[^0]:    V New prepayment model. OOd prepayment model
    Source: Smith Barney Inc./Salomon Brothers Inc.

[^1]:    ${ }^{7}$ See Bond Market Roundup: Strategy, Salomon Smith Barney, May 29, 1998.
    ${ }^{8}$ Models exist for EquiCredit, The Money Store, Conti Financial, IMC and UCFC. For other issuers prepayment projections are computed on Yield Book using the EquiCredit model.

[^2]:    ${ }^{9}$ See Bond Market Roundup: Strategy, Salomon Smith Barney, February 13, 1998.

