

Fannie Mae SMBS-341

Contact: MBS Helpline
 BESTMBS@fanniemae.com
 1-800-237-8627
 1-202-752-5858

Report Date : 6/16/13 9:39 PM

Distribution Summary - 06/2013

| Class | CUSIP | Group | Interest Rate | Beginning/Notional Class Balance | Interest Distribution | Prepayment Penalties/Yield Maintenance | Principal Distribution | Ending/Notional Class Balance | Total Distribution | Paid Off Date |
|--------|-----------|-------|---------------|----------------------------------|-----------------------|--|------------------------|-------------------------------|--------------------|---------------|
| PO1 | 3136FA3X6 | | 0.00000 | 86,577,660.00 | 0.00 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,050,860.00 | |
| IO2 | 3136FA3Y4 | | 5.00000 | 86,577,660.00 | 360,740.25 | N/AP | 0.00 | 83,526,800.00 | 360,740.25 | |
| PI3* | 3136FA3Z1 | | 0.50000 | 86,577,660.00 | 36,074.03 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,086,934.03 | |
| PI4* | 3136FA4A5 | | 1.00000 | 86,577,660.00 | 72,148.05 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,123,008.05 | |
| PI5* | 3136FA4B3 | | 1.50000 | 86,577,660.00 | 108,222.08 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,159,082.08 | |
| PI6* | 3136FA4C1 | | 2.00000 | 86,577,660.00 | 144,296.10 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,195,156.10 | |
| PI7* | 3136FA4D9 | | 2.50000 | 86,577,660.00 | 180,370.13 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,231,230.13 | |
| PI8* | 3136FA4E7 | | 3.00000 | 86,577,660.00 | 216,444.15 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,267,304.15 | |
| PI9* | 3136FA4F4 | | 3.50000 | 86,577,660.00 | 252,518.18 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,303,378.18 | |
| PI10* | 3136FA4G2 | | 4.00000 | 86,577,660.00 | 288,592.20 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,339,452.20 | |
| PI11* | 3136FA4H0 | | 4.50000 | 86,577,660.00 | 324,666.22 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,375,526.22 | |
| PI12* | 3136FA4J6 | | 5.00000 | 86,577,660.00 | 360,740.25 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,411,600.25 | |
| IP13* | 3136FA4K3 | | 5.50000 | 78,706,963.64 | 360,740.25 | N/AP | 2,773,509.09 | 75,933,454.55 | 3,134,249.34 | |
| IP14* | 3136FA4L1 | | 6.00000 | 72,148,050.00 | 360,740.25 | N/AP | 2,542,383.33 | 69,605,666.67 | 2,903,123.58 | |
| IP15* | 3136FA4M9 | | 6.50000 | 66,598,200.00 | 360,740.25 | N/AP | 2,346,815.38 | 64,251,384.62 | 2,707,555.63 | |
| IP16* | 3136FA4N7 | | 7.00000 | 61,841,185.71 | 360,740.25 | N/AP | 2,179,185.71 | 59,662,000.00 | 2,539,925.96 | |
| IP17* | 3136FA4P2 | | 7.50000 | 57,718,440.00 | 360,740.25 | N/AP | 2,033,906.67 | 55,684,533.33 | 2,394,646.92 | |
| IP18* | 3136FA4Q0 | | 8.00000 | 54,111,037.50 | 360,740.25 | N/AP | 1,906,787.50 | 52,204,250.00 | 2,267,527.75 | |
| IP19* | 3136FA4R8 | | 8.50000 | 50,928,035.29 | 360,740.25 | N/AP | 1,794,623.53 | 49,133,411.76 | 2,155,363.78 | |
| IP20* | 3136FA4S6 | | 9.00000 | 48,098,700.00 | 360,740.25 | N/AP | 1,694,922.22 | 46,403,777.78 | 2,055,662.47 | |
| IP21* | 3136FA4T4 | | 9.50000 | 45,567,189.47 | 360,740.25 | N/AP | 1,605,715.79 | 43,961,473.68 | 1,966,456.04 | |
| IP22* | 3136FA4U1 | | 10.00000 | 43,288,830.00 | 360,740.25 | N/AP | 1,525,430.00 | 41,763,400.00 | 1,886,170.25 | |
| Totals | | | | 86,577,660.00 | 360,740.25 | N/AP | 3,050,860.00 | 83,526,800.00 | 3,411,600.25 | |

NOTE: N/AV - Not Available. N/AP - Not Applicable. * RCR Classes.

** Refer to either the Prospectus Supplement or to the Excel file for tranches supported by more than one group.

*** Please contact MBS Helpline for interest rate information.

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Report Date : 6/16/13 9:39 PM

Principal Distribution Statement - 06/2013

| Class | Original Class Balance | Group | Beginning/Notional Class Balance | Principal Distribution | Accretion | Ending/Notional Class Balance | Paid Off Date |
|--------|------------------------|-------|----------------------------------|------------------------|-----------|-------------------------------|---------------|
| PO1 | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |
| IO2 | 1,000,000,000.00 | | 86,577,660.00 | 0.00 | N/AP | 83,526,800.00 | |
| PI3* | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |
| PI4* | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |
| PI5* | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |
| PI6* | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |
| PI7* | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |
| PI8* | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |
| PI9* | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |
| PI10* | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |
| PI11* | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |
| PI12* | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |
| IP13* | 909,090,909.00 | | 78,706,963.64 | 2,773,509.09 | N/AP | 75,933,454.55 | |
| IP14* | 833,333,333.00 | | 72,148,050.00 | 2,542,383.33 | N/AP | 69,605,666.67 | |
| IP15* | 769,230,769.00 | | 66,598,200.00 | 2,346,815.38 | N/AP | 64,251,384.62 | |
| IP16* | 714,285,714.00 | | 61,841,185.71 | 2,179,185.71 | N/AP | 59,662,000.00 | |
| IP17* | 666,666,666.00 | | 57,718,440.00 | 2,033,906.67 | N/AP | 55,684,533.33 | |
| IP18* | 625,000,000.00 | | 54,111,037.50 | 1,906,787.50 | N/AP | 52,204,250.00 | |
| IP19* | 588,235,294.00 | | 50,928,035.29 | 1,794,623.53 | N/AP | 49,133,411.76 | |
| IP20* | 555,555,555.00 | | 48,098,700.00 | 1,694,922.22 | N/AP | 46,403,777.78 | |
| IP21* | 526,315,789.00 | | 45,567,189.47 | 1,605,715.79 | N/AP | 43,961,473.68 | |
| IP22* | 500,000,000.00 | | 43,288,830.00 | 1,525,430.00 | N/AP | 41,763,400.00 | |
| Totals | 1,000,000,000.00 | | 86,577,660.00 | 3,050,860.00 | N/AP | 83,526,800.00 | |

NOTE: N/AV - Not Available. N/AP - Not Applicable. * RCR Classes.

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Principal Distribution Factors Statement - 06/2013

| Class | Original Class Balance | Group | Beginning/Notional Class Balance | Principal Distribution | Accretion | Ending/Notional Class Balance | Paid Off Date |
|-------|------------------------|-------|----------------------------------|------------------------|-----------|-------------------------------|---------------|
| PO1 | 1,000,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| IO2 | 1,000,000,000.00 | | 0.08657766 | 0.00000000 | N/AP | 0.08352680 | |
| PI3* | 1,000,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| PI4* | 1,000,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| PI5* | 1,000,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| PI6* | 1,000,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| PI7* | 1,000,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| PI8* | 1,000,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| PI9* | 1,000,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| PI10* | 1,000,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| PI11* | 1,000,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| PI12* | 1,000,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| IP13* | 909,090,909.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| IP14* | 833,333,333.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| IP15* | 769,230,769.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| IP16* | 714,285,714.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| IP17* | 666,666,666.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| IP18* | 625,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| IP19* | 588,235,294.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| IP20* | 555,555,555.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| IP21* | 526,315,789.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |
| IP22* | 500,000,000.00 | | 0.08657766 | 0.00305086 | N/AP | 0.08352680 | |

NOTE: N/AV - Not Available. N/AP - Not Applicable. * RCR Classes.

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Report Date : 6/16/13 9:39 PM

Interest Distribution Statement - 06/2013

| Class | Accrual Basis | Delay/No Delay | Group | Original Class Balance | Current Interest Rate | Beginning/Notional Class Balance | Interest Distribution | Current Interest Shortfall | Cumulative Interest Shortfall | Ending/Notional Class Balance | Paid Off Date |
|--------|---------------|----------------|-------|------------------------|-----------------------|----------------------------------|-----------------------|----------------------------|-------------------------------|-------------------------------|---------------|
| PO1 | 30/360 | DELAY | | 1,000,000,000.00 | 0.00000 | 86,577,660.00 | 0.00 | N/AP | N/AP | 83,526,800.00 | |
| IO2 | 30/360 | DELAY | | 1,000,000,000.00 | 5.00000 | 86,577,660.00 | 360,740.25 | N/AP | N/AP | 83,526,800.00 | |
| PI3* | 30/360 | DELAY | | 1,000,000,000.00 | 0.50000 | 86,577,660.00 | 36,074.03 | N/AP | N/AP | 83,526,800.00 | |
| PI4* | 30/360 | DELAY | | 1,000,000,000.00 | 1.00000 | 86,577,660.00 | 72,148.05 | N/AP | N/AP | 83,526,800.00 | |
| PI5* | 30/360 | DELAY | | 1,000,000,000.00 | 1.50000 | 86,577,660.00 | 108,222.08 | N/AP | N/AP | 83,526,800.00 | |
| PI6* | 30/360 | DELAY | | 1,000,000,000.00 | 2.00000 | 86,577,660.00 | 144,296.10 | N/AP | N/AP | 83,526,800.00 | |
| PI7* | 30/360 | DELAY | | 1,000,000,000.00 | 2.50000 | 86,577,660.00 | 180,370.13 | N/AP | N/AP | 83,526,800.00 | |
| PI8* | 30/360 | DELAY | | 1,000,000,000.00 | 3.00000 | 86,577,660.00 | 216,444.15 | N/AP | N/AP | 83,526,800.00 | |
| PI9* | 30/360 | DELAY | | 1,000,000,000.00 | 3.50000 | 86,577,660.00 | 252,518.18 | N/AP | N/AP | 83,526,800.00 | |
| PI10* | 30/360 | DELAY | | 1,000,000,000.00 | 4.00000 | 86,577,660.00 | 288,592.20 | N/AP | N/AP | 83,526,800.00 | |
| PI11* | 30/360 | DELAY | | 1,000,000,000.00 | 4.50000 | 86,577,660.00 | 324,666.22 | N/AP | N/AP | 83,526,800.00 | |
| PI12* | 30/360 | DELAY | | 1,000,000,000.00 | 5.00000 | 86,577,660.00 | 360,740.25 | N/AP | N/AP | 83,526,800.00 | |
| IP13* | 30/360 | DELAY | | 909,090,909.00 | 5.50000 | 78,706,963.64 | 360,740.25 | N/AP | N/AP | 75,933,454.55 | |
| IP14* | 30/360 | DELAY | | 833,333,333.00 | 6.00000 | 72,148,050.00 | 360,740.25 | N/AP | N/AP | 69,605,666.67 | |
| IP15* | 30/360 | DELAY | | 769,230,769.00 | 6.50000 | 66,598,200.00 | 360,740.25 | N/AP | N/AP | 64,251,384.62 | |
| IP16* | 30/360 | DELAY | | 714,285,714.00 | 7.00000 | 61,841,185.71 | 360,740.25 | N/AP | N/AP | 59,662,000.00 | |
| IP17* | 30/360 | DELAY | | 666,666,666.00 | 7.50000 | 57,718,440.00 | 360,740.25 | N/AP | N/AP | 55,684,533.33 | |
| IP18* | 30/360 | DELAY | | 625,000,000.00 | 8.00000 | 54,111,037.50 | 360,740.25 | N/AP | N/AP | 52,204,250.00 | |
| IP19* | 30/360 | DELAY | | 588,235,294.00 | 8.50000 | 50,928,035.29 | 360,740.25 | N/AP | N/AP | 49,133,411.76 | |
| IP20* | 30/360 | DELAY | | 555,555,555.00 | 9.00000 | 48,098,700.00 | 360,740.25 | N/AP | N/AP | 46,403,777.78 | |
| IP21* | 30/360 | DELAY | | 526,315,789.00 | 9.50000 | 45,567,189.47 | 360,740.25 | N/AP | N/AP | 43,961,473.68 | |
| IP22* | 30/360 | DELAY | | 500,000,000.00 | 10.00000 | 43,288,830.00 | 360,740.25 | N/AP | N/AP | 41,763,400.00 | |
| Totals | | | | 1,000,000,000.00 | | 86,577,660.00 | 360,740.25 | N/AP | N/AP | 83,526,800.00 | |

NOTE: N/AV - Not Available. N/AP - Not Applicable. * RCR Classes.

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Report Date : 6/16/13 9:39 PM

Interest Distribution Factors Statement - 06/2013

| Class | Accrual Basis | Delay/No Delay | Group | Original Class Balance | Current Interest | Beginning/Notional Class Balance | Interest Distribution | Current Interest Shortfall | Cumulative Interest Shortfall | Ending/Notional Class Balance | Paid Off Date |
|-------|---------------|----------------|-------|------------------------|------------------|----------------------------------|-----------------------|----------------------------|-------------------------------|-------------------------------|---------------|
| PO1 | 30/360 | DELAY | | 1,000,000,000.00 | 0.000000000 | 0.08657766 | 0.00000000 | N/AP | N/AP | 0.08352680 | |
| IO2 | 30/360 | DELAY | | 1,000,000,000.00 | 4.166666667 | 0.08657766 | 0.00036074 | N/AP | N/AP | 0.08352680 | |
| PI3* | 30/360 | DELAY | | 1,000,000,000.00 | 0.416666667 | 0.08657766 | 0.00003607 | N/AP | N/AP | 0.08352680 | |
| PI4* | 30/360 | DELAY | | 1,000,000,000.00 | 0.833333333 | 0.08657766 | 0.00007215 | N/AP | N/AP | 0.08352680 | |
| PI5* | 30/360 | DELAY | | 1,000,000,000.00 | 1.250000000 | 0.08657766 | 0.00010822 | N/AP | N/AP | 0.08352680 | |
| PI6* | 30/360 | DELAY | | 1,000,000,000.00 | 1.666666667 | 0.08657766 | 0.00014430 | N/AP | N/AP | 0.08352680 | |
| PI7* | 30/360 | DELAY | | 1,000,000,000.00 | 2.083333333 | 0.08657766 | 0.00018037 | N/AP | N/AP | 0.08352680 | |
| PI8* | 30/360 | DELAY | | 1,000,000,000.00 | 2.500000000 | 0.08657766 | 0.00021644 | N/AP | N/AP | 0.08352680 | |
| PI9* | 30/360 | DELAY | | 1,000,000,000.00 | 2.916666667 | 0.08657766 | 0.00025252 | N/AP | N/AP | 0.08352680 | |
| PI10* | 30/360 | DELAY | | 1,000,000,000.00 | 3.333333333 | 0.08657766 | 0.00028859 | N/AP | N/AP | 0.08352680 | |
| PI11* | 30/360 | DELAY | | 1,000,000,000.00 | 3.750000000 | 0.08657766 | 0.00032467 | N/AP | N/AP | 0.08352680 | |
| PI12* | 30/360 | DELAY | | 1,000,000,000.00 | 4.166666667 | 0.08657766 | 0.00036074 | N/AP | N/AP | 0.08352680 | |
| IP13* | 30/360 | DELAY | | 909,090,909.00 | 4.583333333 | 0.08657766 | 0.00039681 | N/AP | N/AP | 0.08352680 | |
| IP14* | 30/360 | DELAY | | 833,333,333.00 | 5.000000000 | 0.08657766 | 0.00043289 | N/AP | N/AP | 0.08352680 | |
| IP15* | 30/360 | DELAY | | 769,230,769.00 | 5.416666667 | 0.08657766 | 0.00046896 | N/AP | N/AP | 0.08352680 | |
| IP16* | 30/360 | DELAY | | 714,285,714.00 | 5.833333333 | 0.08657766 | 0.00050504 | N/AP | N/AP | 0.08352680 | |
| IP17* | 30/360 | DELAY | | 666,666,666.00 | 6.250000000 | 0.08657766 | 0.00054111 | N/AP | N/AP | 0.08352680 | |
| IP18* | 30/360 | DELAY | | 625,000,000.00 | 6.666666667 | 0.08657766 | 0.00057718 | N/AP | N/AP | 0.08352680 | |
| IP19* | 30/360 | DELAY | | 588,235,294.00 | 7.083333333 | 0.08657766 | 0.00061326 | N/AP | N/AP | 0.08352680 | |
| IP20* | 30/360 | DELAY | | 555,555,555.00 | 7.500000000 | 0.08657766 | 0.00064933 | N/AP | N/AP | 0.08352680 | |
| IP21* | 30/360 | DELAY | | 526,315,789.00 | 7.916666667 | 0.08657766 | 0.00068541 | N/AP | N/AP | 0.08352680 | |
| IP22* | 30/360 | DELAY | | 500,000,000.00 | 8.333333333 | 0.08657766 | 0.00072148 | N/AP | N/AP | 0.08352680 | |

NOTE: N/AV - Not Available. N/AP - Not Applicable. * RCR Classes.
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All Interest factors on the Interest Distribution Factors Statement are expressed in 30/360 regardless of the accrual basis.

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Collateral Statement - 06/2013

| Group | Collateral Description | Weighted Average Coupon Rate | Weighted Average Pass-Through Rate | Weighted Average Remaining Term | Beginning Security Count | Ending Security Count | Beginning Scheduled Balance | Ending Scheduled Balance | Scheduled Interest | Prepayment Penalty Paid Amount |
|-------|------------------------|------------------------------|------------------------------------|---------------------------------|--------------------------|-----------------------|-----------------------------|--------------------------|--------------------|--------------------------------|
| | MBS | 5.43881 | 5.00000 | 55 | 1 | 1 | 86,577,660.00 | 83,526,800.00 | 360,740.25 | N/AP |

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Any Group(s) where the underlying collateral is backed by private label securities, please refer to the prospectus and the trustee's remittance report for information on the underlying security.

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