

Fannie Mae SMBS-320

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

Report Date : 9/17/13 12:26 AM

Distribution Summary - 09/2013

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	3136FAJE1		0.00000	49,155,699.60	0.00	N/AP	987,692.75	48,168,006.85	987,692.75	
IO2	3136FAJF8		7.00000	49,155,705.60	286,741.62	N/AP	0.00	48,168,012.85	286,741.62	
PI3*	3136FAJG6		0.50000	49,155,705.60	20,481.54	N/AP	987,692.75	48,168,012.85	1,008,174.29	
PI4*	3136FAJH4		1.00000	49,155,705.60	40,963.09	N/AP	987,692.75	48,168,012.85	1,028,655.84	
PI5*	3136FAJJ0		1.50000	49,155,705.60	61,444.63	N/AP	987,692.75	48,168,012.85	1,049,137.38	
PI6*	3136FAJK7		2.00000	49,155,705.60	81,926.18	N/AP	987,692.75	48,168,012.85	1,069,618.93	
PI7*	3136FAJL5		2.50000	49,155,705.60	102,407.72	N/AP	987,692.75	48,168,012.85	1,090,100.47	
PI8*	3136FAJM3		3.00000	49,155,705.60	122,889.26	N/AP	987,692.75	48,168,012.85	1,110,582.01	
PI9*	3136FAJN1		3.50000	49,155,705.60	143,370.81	N/AP	987,692.75	48,168,012.85	1,131,063.56	
PI10*	3136FAJP6		4.00000	49,155,705.60	163,852.35	N/AP	987,692.75	48,168,012.85	1,151,545.10	
PI11*	3136FAJQ4		4.50000	49,155,705.60	184,333.90	N/AP	987,692.75	48,168,012.85	1,172,026.65	
PI12*	3136FAJR2		5.00000	49,155,705.60	204,815.44	N/AP	987,692.75	48,168,012.85	1,192,508.19	
PI13*	3136FAJS0		5.50000	49,155,705.60	225,296.98	N/AP	987,692.75	48,168,012.85	1,212,989.73	
PI14*	3136FAJT8		6.00000	49,155,705.60	245,778.53	N/AP	987,692.75	48,168,012.85	1,233,471.28	
PI15*	3136FAJU5		6.50000	49,155,705.60	266,260.07	N/AP	987,692.75	48,168,012.85	1,253,952.82	
PI16*	3136FAJV3		7.00000	49,155,705.60	286,741.62	N/AP	987,692.75	48,168,012.85	1,274,434.37	
IP17*	3136FAJW1		7.50000	45,878,658.56	286,741.62	N/AP	921,846.57	44,956,811.99	1,208,588.19	
IP18*	3136FAJX9		8.00000	43,011,242.40	286,741.62	N/AP	864,231.16	42,147,011.24	1,150,972.78	
IP19*	3136FAJY7		8.50000	40,481,169.32	286,741.62	N/AP	813,394.03	39,667,775.29	1,100,135.65	
IP20*	3136FAJZ4		9.00000	38,232,215.47	286,741.62	N/AP	768,205.47	37,464,009.99	1,054,947.09	
IP21*	3136FAKA7		9.50000	36,219,993.60	286,741.62	N/AP	727,773.61	35,492,219.99	1,014,515.23	
IP22*	3136FAKB5		10.00000	34,408,993.92	286,741.62	N/AP	691,384.93	33,717,608.99	978,126.55	
IP23*	3136FAKC3		10.50000	32,770,470.40	286,741.62	N/AP	658,461.83	32,112,008.57	945,203.45	
IP24*	3136FAKD1		11.00000	31,280,903.56	286,741.62	N/AP	628,531.75	30,652,371.81	915,273.37	
IP25*	3136FAKE9		11.50000	29,920,864.28	286,741.62	N/AP	601,204.28	29,319,660.00	887,945.90	
IP26*	3136FAKF6		12.00000	28,674,161.60	286,741.62	N/AP	576,154.10	28,098,007.50	862,895.72	
IP27*	3136FAKG4		12.50000	27,527,195.14	286,741.62	N/AP	553,107.94	26,974,087.20	839,849.56	
IP28*	3136FAKH2		13.00000	26,468,456.86	286,741.62	N/AP	531,834.56	25,936,622.30	818,576.18	
IP29*	3136FAKJ8		13.50000	25,488,143.64	286,741.62	N/AP	512,136.98	24,976,006.66	798,878.60	
IP30*	3136FAKK5		14.00000	24,577,852.80	286,741.62	N/AP	493,846.38	24,084,006.43	780,588.00	
Totals				49,155,699.60	286,741.62	N/AP	987,692.75	48,168,006.85	1,274,434.37	

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

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Principal Distribution Statement - 09/2013

Class	Original Class Balance	Group	Beginning/Notional Class Balance	Principal Distribution	Accretion	Ending/Notional Class Balance	Paid Off Date
PO1	3,025,000,000.00		49,155,699.60	987,692.75	N/AP	48,168,006.85	
IO2	3,025,000,000.00		49,155,705.60	0.00	N/AP	48,168,012.85	
PI3*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI4*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI5*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI6*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI7*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI8*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI9*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI10*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI11*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI12*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI13*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI14*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI15*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
PI16*	3,025,000,000.00		49,155,705.60	987,692.75	N/AP	48,168,012.85	
IP17*	2,823,333,333.00		45,878,658.56	921,846.57	N/AP	44,956,811.99	
IP18*	2,646,875,000.00		43,011,242.40	864,231.16	N/AP	42,147,011.24	
IP19*	2,491,176,470.00		40,481,169.32	813,394.03	N/AP	39,667,775.29	
IP20*	2,352,777,777.00		38,232,215.47	768,205.47	N/AP	37,464,009.99	
IP21*	2,228,947,368.00		36,219,993.60	727,773.61	N/AP	35,492,219.99	
IP22*	2,117,500,000.00		34,408,993.92	691,384.93	N/AP	33,717,608.99	
IP23*	2,016,666,666.00		32,770,470.40	658,461.83	N/AP	32,112,008.57	
IP24*	1,925,000,000.00		31,280,903.56	628,531.75	N/AP	30,652,371.81	
IP25*	1,841,304,347.00		29,920,864.28	601,204.28	N/AP	29,319,660.00	
IP26*	1,764,583,333.00		28,674,161.60	576,154.10	N/AP	28,098,007.50	
IP27*	1,694,000,000.00		27,527,195.14	553,107.94	N/AP	26,974,087.20	
IP28*	1,628,846,153.00		26,468,456.86	531,834.56	N/AP	25,936,622.30	
IP29*	1,568,518,518.00		25,488,143.64	512,136.98	N/AP	24,976,006.66	
IP30*	1,512,500,000.00		24,577,852.80	493,846.38	N/AP	24,084,006.43	
Totals	3,025,000,000.00		49,155,699.60	987,692.75	N/AP	48,168,006.85	

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

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Principal Distribution Factors Statement - 09/2013

Class	Original Class Balance	Group	Beginning/Notional Class Balance	Principal Distribution	Accretion	Ending/Notional Class Balance	Paid Off Date
PO1	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
IO2	3,025,000,000.00		0.01624982	0.00000000	N/AP	0.01592331	
PI3*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI4*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI5*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI6*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI7*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI8*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI9*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI10*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI11*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI12*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI13*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI14*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI15*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
PI16*	3,025,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
IP17*	2,823,333,333.00		0.01624982	0.00032651	N/AP	0.01592331	
IP18*	2,646,875,000.00		0.01624982	0.00032651	N/AP	0.01592331	
IP19*	2,491,176,470.00		0.01624982	0.00032651	N/AP	0.01592331	
IP20*	2,352,777,777.00		0.01624982	0.00032651	N/AP	0.01592331	
IP21*	2,228,947,368.00		0.01624982	0.00032651	N/AP	0.01592331	
IP22*	2,117,500,000.00		0.01624982	0.00032651	N/AP	0.01592331	
IP23*	2,016,666,666.00		0.01624982	0.00032651	N/AP	0.01592331	
IP24*	1,925,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
IP25*	1,841,304,347.00		0.01624982	0.00032651	N/AP	0.01592331	
IP26*	1,764,583,333.00		0.01624982	0.00032651	N/AP	0.01592331	
IP27*	1,694,000,000.00		0.01624982	0.00032651	N/AP	0.01592331	
IP28*	1,628,846,153.00		0.01624982	0.00032651	N/AP	0.01592331	
IP29*	1,568,518,518.00		0.01624982	0.00032651	N/AP	0.01592331	
IP30*	1,512,500,000.00		0.01624982	0.00032651	N/AP	0.01592331	

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Interest Distribution Statement - 09/2013

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		3,025,000,000.00	0.00000	49,155,699.60	0.00	N/AP	N/AP	48,168,006.85	
IO2	30/360	DELAY		3,025,000,000.00	7.00000	49,155,705.60	286,741.62	N/AP	N/AP	48,168,012.85	
PI3*	30/360	DELAY		3,025,000,000.00	0.50000	49,155,705.60	20,481.54	N/AP	N/AP	48,168,012.85	
PI4*	30/360	DELAY		3,025,000,000.00	1.00000	49,155,705.60	40,963.09	N/AP	N/AP	48,168,012.85	
PI5*	30/360	DELAY		3,025,000,000.00	1.50000	49,155,705.60	61,444.63	N/AP	N/AP	48,168,012.85	
PI6*	30/360	DELAY		3,025,000,000.00	2.00000	49,155,705.60	81,926.18	N/AP	N/AP	48,168,012.85	
PI7*	30/360	DELAY		3,025,000,000.00	2.50000	49,155,705.60	102,407.72	N/AP	N/AP	48,168,012.85	
PI8*	30/360	DELAY		3,025,000,000.00	3.00000	49,155,705.60	122,889.26	N/AP	N/AP	48,168,012.85	
PI9*	30/360	DELAY		3,025,000,000.00	3.50000	49,155,705.60	143,370.81	N/AP	N/AP	48,168,012.85	
PI10*	30/360	DELAY		3,025,000,000.00	4.00000	49,155,705.60	163,852.35	N/AP	N/AP	48,168,012.85	
PI11*	30/360	DELAY		3,025,000,000.00	4.50000	49,155,705.60	184,333.90	N/AP	N/AP	48,168,012.85	
PI12*	30/360	DELAY		3,025,000,000.00	5.00000	49,155,705.60	204,815.44	N/AP	N/AP	48,168,012.85	
PI13*	30/360	DELAY		3,025,000,000.00	5.50000	49,155,705.60	225,296.98	N/AP	N/AP	48,168,012.85	
PI14*	30/360	DELAY		3,025,000,000.00	6.00000	49,155,705.60	245,778.53	N/AP	N/AP	48,168,012.85	
PI15*	30/360	DELAY		3,025,000,000.00	6.50000	49,155,705.60	266,260.07	N/AP	N/AP	48,168,012.85	
PI16*	30/360	DELAY		3,025,000,000.00	7.00000	49,155,705.60	286,741.62	N/AP	N/AP	48,168,012.85	
IP17*	30/360	DELAY		2,823,333,333.00	7.50000	45,878,658.56	286,741.62	N/AP	N/AP	44,956,811.99	
IP18*	30/360	DELAY		2,646,875,000.00	8.00000	43,011,242.40	286,741.62	N/AP	N/AP	42,147,011.24	
IP19*	30/360	DELAY		2,491,176,470.00	8.50000	40,481,169.32	286,741.62	N/AP	N/AP	39,667,775.29	
IP20*	30/360	DELAY		2,352,777,777.00	9.00000	38,232,215.47	286,741.62	N/AP	N/AP	37,464,009.99	
IP21*	30/360	DELAY		2,228,947,368.00	9.50000	36,219,993.60	286,741.62	N/AP	N/AP	35,492,219.99	
IP22*	30/360	DELAY		2,117,500,000.00	10.00000	34,408,993.92	286,741.62	N/AP	N/AP	33,717,608.99	
IP23*	30/360	DELAY		2,016,666,666.00	10.50000	32,770,470.40	286,741.62	N/AP	N/AP	32,112,008.57	
IP24*	30/360	DELAY		1,925,000,000.00	11.00000	31,280,903.56	286,741.62	N/AP	N/AP	30,652,371.81	
IP25*	30/360	DELAY		1,841,304,347.00	11.50000	29,920,864.28	286,741.62	N/AP	N/AP	29,319,660.00	
IP26*	30/360	DELAY		1,764,583,333.00	12.00000	28,674,161.60	286,741.62	N/AP	N/AP	28,098,007.50	
IP27*	30/360	DELAY		1,694,000,000.00	12.50000	27,527,195.14	286,741.62	N/AP	N/AP	26,974,087.20	
IP28*	30/360	DELAY		1,628,846,153.00	13.00000	26,468,456.86	286,741.62	N/AP	N/AP	25,936,622.30	
IP29*	30/360	DELAY		1,568,518,518.00	13.50000	25,488,143.64	286,741.62	N/AP	N/AP	24,976,006.66	
IP30*	30/360	DELAY		1,512,500,000.00	14.00000	24,577,852.80	286,741.62	N/AP	N/AP	24,084,006.43	
Totals				3,025,000,000.00		49,155,699.60	286,741.62	N/AP	N/AP	48,168,006.85	

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PO1	30/360	DELAY		3,025,000,000.00	0.000000000	0.01624982	0.00000000	N/AP	N/AP	0.01592331	
IO2	30/360	DELAY		3,025,000,000.00	5.833333333	0.01624982	0.00009479	N/AP	N/AP	0.01592331	
PI3*	30/360	DELAY		3,025,000,000.00	0.416666667	0.01624982	0.00000677	N/AP	N/AP	0.01592331	
PI4*	30/360	DELAY		3,025,000,000.00	0.833333333	0.01624982	0.00001354	N/AP	N/AP	0.01592331	
PI5*	30/360	DELAY		3,025,000,000.00	1.250000000	0.01624982	0.00002031	N/AP	N/AP	0.01592331	
PI6*	30/360	DELAY		3,025,000,000.00	1.666666667	0.01624982	0.00002708	N/AP	N/AP	0.01592331	
PI7*	30/360	DELAY		3,025,000,000.00	2.083333333	0.01624982	0.00003385	N/AP	N/AP	0.01592331	
PI8*	30/360	DELAY		3,025,000,000.00	2.500000000	0.01624982	0.00004062	N/AP	N/AP	0.01592331	
PI9*	30/360	DELAY		3,025,000,000.00	2.916666667	0.01624982	0.00004740	N/AP	N/AP	0.01592331	
PI10*	30/360	DELAY		3,025,000,000.00	3.333333333	0.01624982	0.00005417	N/AP	N/AP	0.01592331	
PI11*	30/360	DELAY		3,025,000,000.00	3.750000000	0.01624982	0.00006094	N/AP	N/AP	0.01592331	
PI12*	30/360	DELAY		3,025,000,000.00	4.166666667	0.01624982	0.00006771	N/AP	N/AP	0.01592331	
PI13*	30/360	DELAY		3,025,000,000.00	4.583333333	0.01624982	0.00007448	N/AP	N/AP	0.01592331	
PI14*	30/360	DELAY		3,025,000,000.00	5.000000000	0.01624982	0.00008125	N/AP	N/AP	0.01592331	
PI15*	30/360	DELAY		3,025,000,000.00	5.416666667	0.01624982	0.00008802	N/AP	N/AP	0.01592331	
PI16*	30/360	DELAY		3,025,000,000.00	5.833333333	0.01624982	0.00009479	N/AP	N/AP	0.01592331	
IP17*	30/360	DELAY		2,823,333,333.00	6.250000000	0.01624982	0.00010156	N/AP	N/AP	0.01592331	
IP18*	30/360	DELAY		2,646,875,000.00	6.666666667	0.01624982	0.00010833	N/AP	N/AP	0.01592331	
IP19*	30/360	DELAY		2,491,176,470.00	7.083333333	0.01624982	0.00011510	N/AP	N/AP	0.01592331	
IP20*	30/360	DELAY		2,352,777,777.00	7.500000000	0.01624982	0.00012187	N/AP	N/AP	0.01592331	
IP21*	30/360	DELAY		2,228,947,368.00	7.916666667	0.01624982	0.00012864	N/AP	N/AP	0.01592331	
IP22*	30/360	DELAY		2,117,500,000.00	8.333333333	0.01624982	0.00013542	N/AP	N/AP	0.01592331	
IP23*	30/360	DELAY		2,016,666,666.00	8.750000000	0.01624982	0.00014219	N/AP	N/AP	0.01592331	
IP24*	30/360	DELAY		1,925,000,000.00	9.166666667	0.01624982	0.00014896	N/AP	N/AP	0.01592331	
IP25*	30/360	DELAY		1,841,304,347.00	9.583333333	0.01624982	0.00015573	N/AP	N/AP	0.01592331	
IP26*	30/360	DELAY		1,764,583,333.00	10.000000000	0.01624982	0.00016250	N/AP	N/AP	0.01592331	
IP27*	30/360	DELAY		1,694,000,000.00	10.416666667	0.01624982	0.00016927	N/AP	N/AP	0.01592331	
IP28*	30/360	DELAY		1,628,846,153.00	10.833333333	0.01624982	0.00017604	N/AP	N/AP	0.01592331	
IP29*	30/360	DELAY		1,568,518,518.00	11.250000000	0.01624982	0.00018281	N/AP	N/AP	0.01592331	
IP30*	30/360	DELAY		1,512,500,000.00	11.666666667	0.01624982	0.00018958	N/AP	N/AP	0.01592331	

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.

All Interest factors on the Interest Distribution Factors Statement are expressed in 30/360 regardless of the accrual basis.

Disclaimer: Please refer to the REMIC and SMBS Legal Notice on our site for important information pertaining to this report.

Fannie Mae SMBS-320

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

Report Date : 9/17/13 12:26 AM

Collateral Statement - 09/2013

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	7.50268	7.00000	206	1	1	49,155,705.60	48,168,012.85	286,741.62	N/AP

NOTE: N/AV - Not Available. N/AP - Not Applicable.

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

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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