

Fannie Mae SMBS-342

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

Report Date : 9/17/13 12:46 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	3136FA4V9		0.00000	124,466,700.00	0.00	N/AP	4,137,380.00	120,329,320.00	4,137,380.00	
IO2	3136FA4W7		6.00000	124,466,700.00	622,333.50	N/AP	0.00	120,329,320.00	622,333.50	
PI3*	3136FA4X5		0.50000	124,466,700.00	51,861.13	N/AP	4,137,380.00	120,329,320.00	4,189,241.13	
PI4*	3136FA4Y3		1.00000	124,466,700.00	103,722.25	N/AP	4,137,380.00	120,329,320.00	4,241,102.25	
PI5*	3136FA4Z0		1.50000	124,466,700.00	155,583.38	N/AP	4,137,380.00	120,329,320.00	4,292,963.38	
PI6*	3136FA5A4		2.00000	124,466,700.00	207,444.50	N/AP	4,137,380.00	120,329,320.00	4,344,824.50	
PI7*	3136FA5B2		2.50000	124,466,700.00	259,305.63	N/AP	4,137,380.00	120,329,320.00	4,396,685.63	
PI8*	3136FA5C0		3.00000	124,466,700.00	311,166.75	N/AP	4,137,380.00	120,329,320.00	4,448,546.75	
PI9*	3136FA5D8		3.50000	124,466,700.00	363,027.88	N/AP	4,137,380.00	120,329,320.00	4,500,407.88	
PI10*	3136FA5E6		4.00000	124,466,700.00	414,889.00	N/AP	4,137,380.00	120,329,320.00	4,552,269.00	
PI11*	3136FA5F3		4.50000	124,466,700.00	466,750.13	N/AP	4,137,380.00	120,329,320.00	4,604,130.13	
PI12*	3136FA5G1		5.00000	124,466,700.00	518,611.25	N/AP	4,137,380.00	120,329,320.00	4,655,991.25	
PI13*	3136FA5H9		5.50000	124,466,700.00	570,472.38	N/AP	4,137,380.00	120,329,320.00	4,707,852.38	
PI14*	3136FA5J5		6.00000	124,466,700.00	622,333.50	N/AP	4,137,380.00	120,329,320.00	4,759,713.50	
IP15*	3136FA5K2		6.50000	114,892,338.46	622,333.50	N/AP	3,819,120.00	111,073,218.46	4,441,453.50	
IP16*	3136FA5L0		7.00000	106,685,742.86	622,333.50	N/AP	3,546,325.71	103,139,417.14	4,168,659.21	
IP17*	3136FA5M8		7.50000	99,573,360.00	622,333.50	N/AP	3,309,904.00	96,263,456.00	3,932,237.50	
IP18*	3136FA5N6		8.00000	93,350,025.00	622,333.50	N/AP	3,103,035.00	90,246,990.00	3,725,368.50	
IP19*	3136FA5P1		8.50000	87,858,847.06	622,333.50	N/AP	2,920,503.53	84,938,343.53	3,542,837.03	
IP20*	3136FA5Q9		9.00000	82,977,800.00	622,333.50	N/AP	2,758,253.33	80,219,546.67	3,380,586.83	
IP21*	3136FA5R7		9.50000	78,610,547.37	622,333.50	N/AP	2,613,082.11	75,997,465.26	3,235,415.61	
IP22*	3136FA5S5		10.00000	74,680,020.00	622,333.50	N/AP	2,482,428.00	72,197,592.00	3,104,761.50	
IP23*	3136FA5T3		10.50000	71,123,828.57	622,333.50	N/AP	2,364,217.14	68,759,611.43	2,986,550.64	
IP24*	3136FA5U0		11.00000	67,890,927.27	622,333.50	N/AP	2,256,752.73	65,634,174.55	2,879,086.23	
IP25*	3136FA5V8		11.50000	64,939,147.83	622,333.50	N/AP	2,158,633.04	62,780,514.78	2,780,966.54	
IP26*	3136FA5W6		12.00000	62,233,350.00	622,333.50	N/AP	2,068,690.00	60,164,660.00	2,691,023.50	
Totals				124,466,700.00	622,333.50	N/AP	4,137,380.00	120,329,320.00	4,759,713.50	

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

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Report Date : 9/17/13 12:46 AM

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	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
IO2	2,000,000,000.00		124,466,700.00	0.00	N/AP	120,329,320.00	
PI3*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
PI4*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
PI5*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
PI6*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
PI7*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
PI8*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
PI9*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
PI10*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
PI11*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
PI12*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
PI13*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
PI14*	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	
IP15*	1,846,153,846.00		114,892,338.46	3,819,120.00	N/AP	111,073,218.46	
IP16*	1,714,285,714.00		106,685,742.86	3,546,325.71	N/AP	103,139,417.14	
IP17*	1,600,000,000.00		99,573,360.00	3,309,904.00	N/AP	96,263,456.00	
IP18*	1,500,000,000.00		93,350,025.00	3,103,035.00	N/AP	90,246,990.00	
IP19*	1,411,764,705.00		87,858,847.06	2,920,503.53	N/AP	84,938,343.53	
IP20*	1,333,333,333.00		82,977,800.00	2,758,253.33	N/AP	80,219,546.67	
IP21*	1,263,157,894.00		78,610,547.37	2,613,082.11	N/AP	75,997,465.26	
IP22*	1,200,000,000.00		74,680,020.00	2,482,428.00	N/AP	72,197,592.00	
IP23*	1,142,857,142.00		71,123,828.57	2,364,217.14	N/AP	68,759,611.43	
IP24*	1,090,909,090.00		67,890,927.27	2,256,752.73	N/AP	65,634,174.55	
IP25*	1,043,478,260.00		64,939,147.83	2,158,633.04	N/AP	62,780,514.78	
IP26*	1,000,000,000.00		62,233,350.00	2,068,690.00	N/AP	60,164,660.00	
Totals	2,000,000,000.00		124,466,700.00	4,137,380.00	N/AP	120,329,320.00	

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	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
IO2	2,000,000,000.00		0.06223335	0.00000000	N/AP	0.06016466	
PI3*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
PI4*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
PI5*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
PI6*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
PI7*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
PI8*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
PI9*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
PI10*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
PI11*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
PI12*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
PI13*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
PI14*	2,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
IP15*	1,846,153,846.00		0.06223335	0.00206869	N/AP	0.06016466	
IP16*	1,714,285,714.00		0.06223335	0.00206869	N/AP	0.06016466	
IP17*	1,600,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
IP18*	1,500,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
IP19*	1,411,764,705.00		0.06223335	0.00206869	N/AP	0.06016466	
IP20*	1,333,333,333.00		0.06223335	0.00206869	N/AP	0.06016466	
IP21*	1,263,157,894.00		0.06223335	0.00206869	N/AP	0.06016466	
IP22*	1,200,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	
IP23*	1,142,857,142.00		0.06223335	0.00206869	N/AP	0.06016466	
IP24*	1,090,909,090.00		0.06223335	0.00206869	N/AP	0.06016466	
IP25*	1,043,478,260.00		0.06223335	0.00206869	N/AP	0.06016466	
IP26*	1,000,000,000.00		0.06223335	0.00206869	N/AP	0.06016466	

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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		2,000,000,000.00	0.00000	124,466,700.00	0.00	N/AP	N/AP	120,329,320.00	
IO2	30/360	DELAY		2,000,000,000.00	6.00000	124,466,700.00	622,333.50	N/AP	N/AP	120,329,320.00	
PI3*	30/360	DELAY		2,000,000,000.00	0.50000	124,466,700.00	51,861.13	N/AP	N/AP	120,329,320.00	
PI4*	30/360	DELAY		2,000,000,000.00	1.00000	124,466,700.00	103,722.25	N/AP	N/AP	120,329,320.00	
PI5*	30/360	DELAY		2,000,000,000.00	1.50000	124,466,700.00	155,583.38	N/AP	N/AP	120,329,320.00	
PI6*	30/360	DELAY		2,000,000,000.00	2.00000	124,466,700.00	207,444.50	N/AP	N/AP	120,329,320.00	
PI7*	30/360	DELAY		2,000,000,000.00	2.50000	124,466,700.00	259,305.63	N/AP	N/AP	120,329,320.00	
PI8*	30/360	DELAY		2,000,000,000.00	3.00000	124,466,700.00	311,166.75	N/AP	N/AP	120,329,320.00	
PI9*	30/360	DELAY		2,000,000,000.00	3.50000	124,466,700.00	363,027.88	N/AP	N/AP	120,329,320.00	
PI10*	30/360	DELAY		2,000,000,000.00	4.00000	124,466,700.00	414,889.00	N/AP	N/AP	120,329,320.00	
PI11*	30/360	DELAY		2,000,000,000.00	4.50000	124,466,700.00	466,750.13	N/AP	N/AP	120,329,320.00	
PI12*	30/360	DELAY		2,000,000,000.00	5.00000	124,466,700.00	518,611.25	N/AP	N/AP	120,329,320.00	
PI13*	30/360	DELAY		2,000,000,000.00	5.50000	124,466,700.00	570,472.38	N/AP	N/AP	120,329,320.00	
PI14*	30/360	DELAY		2,000,000,000.00	6.00000	124,466,700.00	622,333.50	N/AP	N/AP	120,329,320.00	
IP15*	30/360	DELAY		1,846,153,846.00	6.50000	114,892,338.46	622,333.50	N/AP	N/AP	111,073,218.46	
IP16*	30/360	DELAY		1,714,285,714.00	7.00000	106,685,742.86	622,333.50	N/AP	N/AP	103,139,417.14	
IP17*	30/360	DELAY		1,600,000,000.00	7.50000	99,573,360.00	622,333.50	N/AP	N/AP	96,263,456.00	
IP18*	30/360	DELAY		1,500,000,000.00	8.00000	93,350,025.00	622,333.50	N/AP	N/AP	90,246,990.00	
IP19*	30/360	DELAY		1,411,764,705.00	8.50000	87,858,847.06	622,333.50	N/AP	N/AP	84,938,343.53	
IP20*	30/360	DELAY		1,333,333,333.00	9.00000	82,977,800.00	622,333.50	N/AP	N/AP	80,219,546.67	
IP21*	30/360	DELAY		1,263,157,894.00	9.50000	78,610,547.37	622,333.50	N/AP	N/AP	75,997,465.26	
IP22*	30/360	DELAY		1,200,000,000.00	10.00000	74,680,020.00	622,333.50	N/AP	N/AP	72,197,592.00	
IP23*	30/360	DELAY		1,142,857,142.00	10.50000	71,123,828.57	622,333.50	N/AP	N/AP	68,759,611.43	
IP24*	30/360	DELAY		1,090,909,090.00	11.00000	67,890,927.27	622,333.50	N/AP	N/AP	65,634,174.55	
IP25*	30/360	DELAY		1,043,478,260.00	11.50000	64,939,147.83	622,333.50	N/AP	N/AP	62,780,514.78	
IP26*	30/360	DELAY		1,000,000,000.00	12.00000	62,233,350.00	622,333.50	N/AP	N/AP	60,164,660.00	
Totals				2,000,000,000.00		124,466,700.00	622,333.50	N/AP	N/AP	120,329,320.00	

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

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Interest Distribution Factors Statement - 09/2013

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		2,000,000,000.00	0.000000000	0.06223335	0.00000000	N/AP	N/AP	0.06016466	
IO2	30/360	DELAY		2,000,000,000.00	5.000000000	0.06223335	0.00031117	N/AP	N/AP	0.06016466	
PI3*	30/360	DELAY		2,000,000,000.00	0.416666667	0.06223335	0.00002593	N/AP	N/AP	0.06016466	
PI4*	30/360	DELAY		2,000,000,000.00	0.833333333	0.06223335	0.00005186	N/AP	N/AP	0.06016466	
PI5*	30/360	DELAY		2,000,000,000.00	1.250000000	0.06223335	0.00007779	N/AP	N/AP	0.06016466	
PI6*	30/360	DELAY		2,000,000,000.00	1.666666667	0.06223335	0.00010372	N/AP	N/AP	0.06016466	
PI7*	30/360	DELAY		2,000,000,000.00	2.083333333	0.06223335	0.00012965	N/AP	N/AP	0.06016466	
PI8*	30/360	DELAY		2,000,000,000.00	2.500000000	0.06223335	0.00015558	N/AP	N/AP	0.06016466	
PI9*	30/360	DELAY		2,000,000,000.00	2.916666667	0.06223335	0.00018151	N/AP	N/AP	0.06016466	
PI10*	30/360	DELAY		2,000,000,000.00	3.333333333	0.06223335	0.00020744	N/AP	N/AP	0.06016466	
PI11*	30/360	DELAY		2,000,000,000.00	3.750000000	0.06223335	0.00023338	N/AP	N/AP	0.06016466	
PI12*	30/360	DELAY		2,000,000,000.00	4.166666667	0.06223335	0.00025931	N/AP	N/AP	0.06016466	
PI13*	30/360	DELAY		2,000,000,000.00	4.583333333	0.06223335	0.00028524	N/AP	N/AP	0.06016466	
PI14*	30/360	DELAY		2,000,000,000.00	5.000000000	0.06223335	0.00031117	N/AP	N/AP	0.06016466	
IP15*	30/360	DELAY		1,846,153,846.00	5.416666667	0.06223335	0.00033710	N/AP	N/AP	0.06016466	
IP16*	30/360	DELAY		1,714,285,714.00	5.833333333	0.06223335	0.00036303	N/AP	N/AP	0.06016466	
IP17*	30/360	DELAY		1,600,000,000.00	6.250000000	0.06223335	0.00038896	N/AP	N/AP	0.06016466	
IP18*	30/360	DELAY		1,500,000,000.00	6.666666667	0.06223335	0.00041489	N/AP	N/AP	0.06016466	
IP19*	30/360	DELAY		1,411,764,705.00	7.083333333	0.06223335	0.00044082	N/AP	N/AP	0.06016466	
IP20*	30/360	DELAY		1,333,333,333.00	7.500000000	0.06223335	0.00046675	N/AP	N/AP	0.06016466	
IP21*	30/360	DELAY		1,263,157,894.00	7.916666667	0.06223335	0.00049268	N/AP	N/AP	0.06016466	
IP22*	30/360	DELAY		1,200,000,000.00	8.333333333	0.06223335	0.00051861	N/AP	N/AP	0.06016466	
IP23*	30/360	DELAY		1,142,857,142.00	8.750000000	0.06223335	0.00054454	N/AP	N/AP	0.06016466	
IP24*	30/360	DELAY		1,090,909,090.00	9.166666667	0.06223335	0.00057047	N/AP	N/AP	0.06016466	
IP25*	30/360	DELAY		1,043,478,260.00	9.583333333	0.06223335	0.00059640	N/AP	N/AP	0.06016466	
IP26*	30/360	DELAY		1,000,000,000.00	10.000000000	0.06223335	0.00062233	N/AP	N/AP	0.06016466	

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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 - 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	6.49648	6.00000	220	1	1	124,466,700.00	120,329,320.00	622,333.50	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.

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