



ASSET SERVICES SIGMA- AGENT PERFORMANCE REPORT

October 2022

Executive Summary

This report highlights the October 2022 performance of the top agents vs. industry targets. This report focuses on the following metrics:

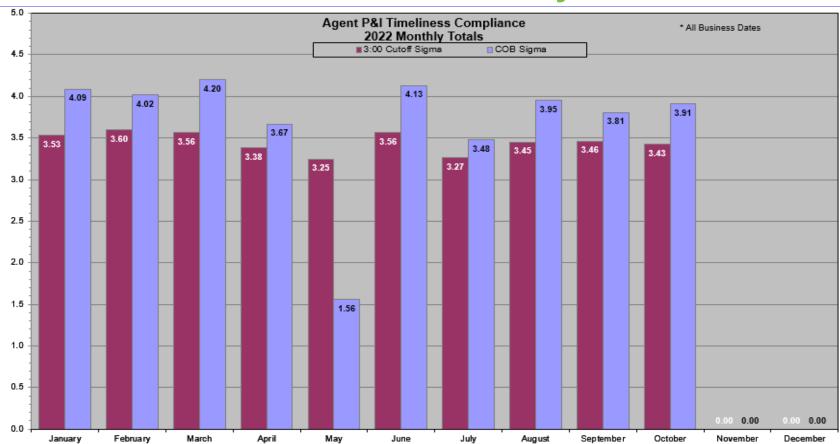
Principal and Interest payment timeliness compliance - percentage of funds received from agents at cut-off (3:00pm ET) and at close of business (6:00pm ET), relative to the total dollars paid for the month. The Agent sigma performance for October 2022 was 3.43σ (97.31)%. This month's performance is below the target of 3.67σ (98.50)%.

Principal and Interest allocations on payable date - percentage of allocated dollars and CUSIPS, relative to the total expected dollars and CUSIPs allocated. The Agent sigma performance for October 2022 was 3.62σ (98.30)%. This month's performance is below the target of 3.83σ (99.00%).

Please visit DTCC's web-site http://dtcc.com/asset-services/asset-services-performance-metrics.aspx for more detailed metric definitions and agent trend charts.

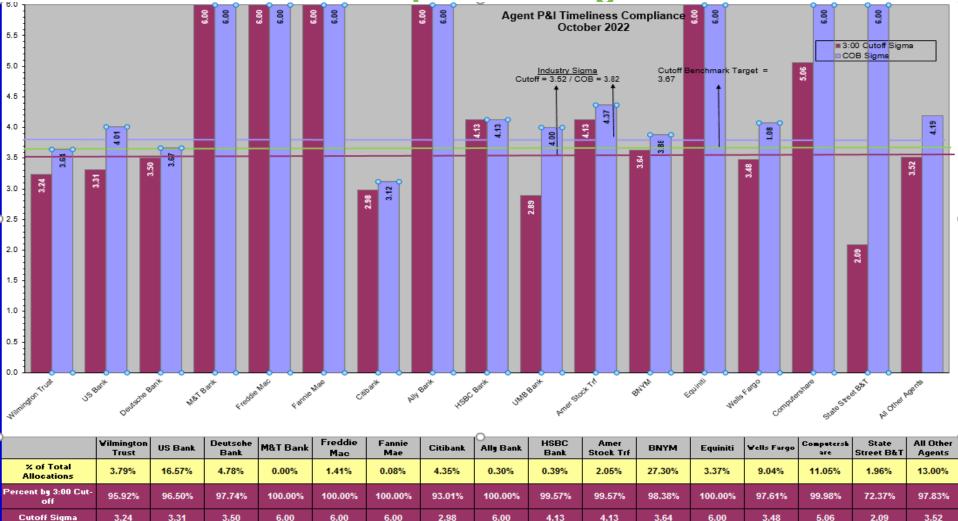
DTCC Public (White)

P&I Allocations Monthly Trend



	Januarg	February	March	April	Mag	June	July	August	September	October	November	December	YTD
Percent by 3:00 Cut-off	97.89%	98.19%	98.04%	97.02%	95.98%	98.04%	96.14%	97.46%	97.51%	97.31%			97.39%
Cutoff Sigma	3.53	3.60	3.56	3.38	3.25	3.56	3.27	3.45	3.46	3.43			3.44
Percent by COB	99.52%	99.42%	99.65%	98.49%	52.29%	99.57%	97.61%	99.29%	98.95%	99.20%			94.38%
COB Sigma	4.09	4.02	4.20	3.67	1.56	4.13	3.48	3.95	3.81	3.91			3.09

P&I Timeliness Compliance – Agent Performance



-1.33

100.009

0.09

99.64%

-0.19

98.40%

-0.12

99.40%

0.07

98.48%

2.57

100.009

2.57

100.00%

2.57

100.009

-0.45

2.57

100.009

0.70

99.579

0.70

0.21

99.14%

2.57

100.009

0.05

99.50%

1.63

100.009

Variance from

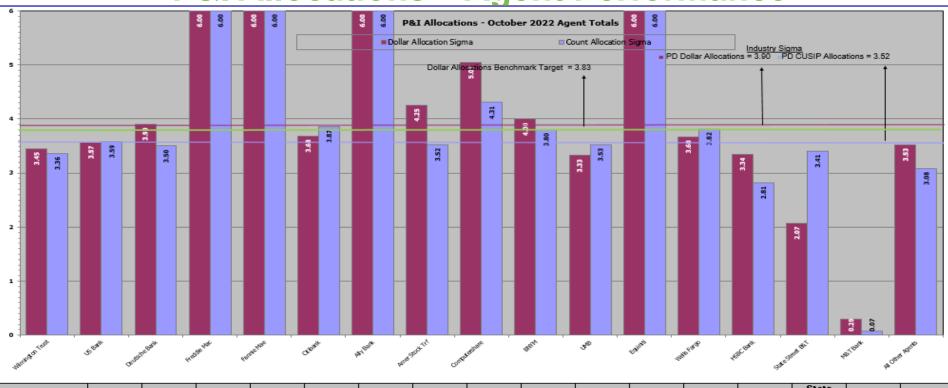
Industry Cutoff
Percent by COB

COB Sigma

P&I Allocations Monthly Trend



P&I Allocations – Agent Performance



AGENT	¥ilmingto n Trust	US Bank	Deutsche Bank	Freddie Mac	Fannie Mae	Citibank	Ally Bank	Amer Stock Trf	Computer share	вичм	Equiniti	V ells Fargo	HSBC Bank	State Street B&T	M&T Bank	All Other Agents
Total Expected / % of Industry	\$10.467	\$46.521	\$13.432	\$4.019	\$0.221	\$11.781	\$0.863	\$5.955	\$32.139	\$75.920	\$9.843	\$25.796	\$0.390	\$5.618	\$0.005	\$40.322
	3.68%	16.34%	4.72%	1.41%	0.08%	4.14%	0.30%	2.09%	11.29%	26.67%	3.46%	9.06%	0.14%	1.97%	0.00%	14.16%
Allocation \$ Percent	97.43%	98.07%	99.19%	100.00%	100.00%	98.55%	100.00%	99.71%	99.98%	99.38%	100.00%	98.52%	96.73%	71.61%	11.36%	97.86%
Allocation \$ Sigma	3.45	3.57	3.90	6.00	6.00	3.68	6.00	4.25	5.05	4.00	6.00	3.68	3.34	2.07	0.29	3.53
Yariance from Industry \$ Sigma	-0.17	-0.05	0.28	2.38	2.38	0.06	2.38	0.63	1.43	0.38	2.38	0.06	-0.28	-1.55	-3.33	-0.09
CUSIP Allocations %	96.86%	98.16%	97.74%	100.00%	100.00%	99.10%	100.00%	97.83%	99.75%	98.92%	100.00%	98.97%	90.57%	97.19%	7.69%	94.29%
Allocations	3.36	3.59	3.50	6.00	6.00	3.87	6.00	3.52	4.31	3.80	6.00	3.82	2.81	3.41	0.07	3.08
Yariance from Industry CUSIP Sigma	-0.10	0.13	0.04	2.54	2.54	0.40	2.54	0.06	0.85	0.34	2.54	0.36	-0.65	-0.05	-3.39	-0.38