

CASS™ Certified ZIP + 4® Processing Summary

2664207 / DTL00036
 Test NCOA

Assignment Summary

Assignment	Quantity	Percent
ZIP Codes	999,951	100.00%
ZIP + 4 Codes	993,241	99.32%
Delivery Point Codes	993,524	99.35%
Carrier Route Codes	997,787	99.78%
LOT Codes	993,241	99.32%
LOT Order Codes	993,241	99.32%
County Codes	999,995	100.00%
Assigned/No Delivery	0	0.00%

Address Type Summary

Address Type	Quantity	Percent
Street	728,914	73.39%
PO Box	50,997	5.10%
High-rise	212,268	21.37%
Rural Route	133	0.01%
Firm	1	0.00%
General Delivery	519	0.05%
Military	409	0.04%
Unique	105	0.01%
Total	993,241	100.00%

Qualitative Statistical Summary

Assignment	Quantity	Percent
DPV Confirmed	993,524	99.35%
EWS Match	2	0.00%
High-rise Default	3,648	0.36%
High-rise Exact	208,620	20.86%
Suite ^{Link} Matches	0	0.00%
LACS ^{Link} Convertible	4,229	0.42%
LACS ^{Link} Conversions	1,575	0.16%
Rural Route Default	0	0.00%
Rural Route Exact	133	0.01%

LACS^{Link} Conversion Summary

Assignment	Quantity	Percent
Converted	1,567	0.16%
Secondary Dropped	8	0.00%
Total Converted	1,575	0.16%
No Match	3,152	0.32%
Cannot Convert	18	0.00%
High-rise Default	0	0.00%
Total Not Converted	3,170	0.32%

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Delivery Point Validation (DPV) Summary

DPV Status	Quantity	Percent
Primary & Secondary Confirmed	987,497	98.75%
Secondary Not Confirmed	2,597	0.26%
Secondary Missing	3,430	0.34%
Total Confirmed	993,524	99.32%

DPV Not Validated	4,078	0.41%
No DPV Validation attempted	2,398	0.24%
Total Not Confirmed	6,476	0.65%

DPV Status	Quantity	Percent
DPV Vacant	42,495	4.25%
DPV No-Stat	23,443	2.34%
DPV PO Box Street Address	2	0.00%
DPV Door Not Accessible	2,945	0.29%
DPV Commercial Mail Receiving Agency	483	0.05%
DPV Throwback	1,406	0.14%
DPV No Secure Location	831	0.08%

Delivery Point Validation (DPV) Footnotes Summary

DPV Footnote	Quantity	Percent
AA - ZIP + 4 Match	997,787	99.78%
A1 - No ZIP + 4 Match	2,211	0.22%
BB - All Components Match DPV	986,464	98.65%
CC - Secondary Invalid	3,430	0.34%
F1 - Military Address	409	0.04%
G1 - General Delivery	519	0.05%
M1 - Primary Missing	7	0.00%
M3 - Primary Invalid	3,761	0.38%
N1 - Secondary Missing	2,597	0.00%
PB - PO Box Street Address	2	0.00%
P1 - Missing RR/HC	0	0.03%
P3 - Invalid PO/ RR/ HC	317	0.00%
RR - CMRA Match	3	0.05%
R1 - CMRA Match - No Secondary	480	0.26%
R7 - Physical Address Does Not Receive Delivery	283	0.03%
U1 - Unique Address	105	0.01%

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Error Code Summary

Error	Description	Quantity	Percent
E000	system error	0	0.00%
E101	last line is invalid or missing	0	0.00%
E194	failure to match to unique ZIP, missing or invalid address component(s)	0	0.00%
E212	missing city and invalid ZIP	0	0.00%
E213	invalid city and missing ZIP	0	0.00%
E214	invalid city and invalid ZIP	3	0.00%
E302	invalid or missing primary address line	2	0.00%
E412	street name is invalid	1,115	0.11%
E420	primary range is invalid or missing	1	0.00%
E421	primary range is invalid for street/route/building	946	0.09%
E422	pre-directional needed, input is invalid or missing	41	0.00%
E423	suffix needed, input is invalid or missing	0	0.00%
E425	suffix & directional needed, input is invalid or missing	0	0.00%
E430	multiple possible address line matches too similar to choose one	23	0.00%
E431	urbanization needed, input is invalid or missing	0	0.00%
E439	exact match in EWS directory	2	0.00%
E500	other error	0	0.00%
E501	foreign address	0	0.00%
E506	post-directional needed, input is invalid or missing	80	0.01%
E600	identified by USPS as unsuitable for delivery of mail	185	0.02%
E601	primary number does not DPV confirm, ZIP+4 removed	4,078	0.41%
E999	E999 error	283	0.03%
Total Error Codes		6,759	0.68%

This report contains statistical information regarding your input file processed through our CASS Certified ZIP+4 Service. If you requested NCOA^{Link} processing, statistics for the updated addresses are found in the NCOA^{Link} Processing Summary Report.

NCOA^{Link}® Processing Summary Report

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NCOA^{Link} Match Types

Match Type	Quantity	NCOA ^{Link} Match Percentage
Individual match	46,452	66.07%
Family match	23,784	33.83%
Business match	68	0.10%
Total	70,304	

NCOA^{Link} Move Statistics

Matches: new address provided	Quantity	NCOA ^{Link} Match Percentage
Address confirmed	65,640	93.37%
New secondary range not confirmed	239	0.34%
Total	65879	93.71%

Matches: no new address available

New primary address not confirmed	1786	2.54%
Foreign move	11	0.00%
Moved, left no forwarding address	2,313	0.23%
PO Box closed	315	0.03%
Total	4425	6.29%

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Move Effective Date Distribution

Period	New Address Provided (A, 91, 92)	New Address Not Available (01, 02, 03)	New Address Not Provided (05, 14, 19)
Months 0 - 3	3,032	94	1,170
Months 4 - 6	3,516	73	111
Months 7 - 12	5,464	211	40
Months 13 - 18	8,066	286	61
Months 19+	44,047	1,880	381
Total	65879	2639	1786

Move Activity by Month

Month	Matched	Month	Matched	Month	Matched
1	1,181	17	1,574	33	1,417
2	1,837	18	1,544	34	1,086
3	1,278	19	1,526	35	1,167
4	1,340	20	1,192	36	1,374
5	1,276	21	1,059	37	1,535
6	1,084	22	841	38	1,755
7	962	23	953	39	1,845
8	1,019	24	1,072	40	2,109
9	1,041	25	1,332	41	2,126
10	795	26	1,421	42	2,268
11	921	27	1,482	43	2,132
12	977	28	1,787	44	1,701
13	1,190	29	1,754	45	1,725
14	1,271	30	1,968	46	1,367
15	1,241	31	1,678	47	1,562
16	1,593	32	1,446	48	1,628

NCOA^{Link} Processing Summary Report

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NCOA^{Link} Return Code Summary

Return Code		Quantity	Percent
NCOA^{Link} Match - New Address Provided			
A	COA Match	65,640	6.56%
91	COA Match - secondary number dropped from COA	203	0.02%
92	COA Match - secondary number dropped from input	36	0.00%
NCOA^{Link} Match - No New Address Available			
01	COA Match - foreign move	11	0.00%
02	COA Match - move left no address	2,313	0.23%
03	COA Match - PO Box closed no forwarding address	315	0.03%
05	COA Match - a new address cannot be provided	53	0.01%
14	COA Match - new address would not convert	28	0.00%
19	Found COA - new address not ZIP + 4 or DPV confirmed	1,705	0.17%
Cannot Match COA			
00	No COA Match	924,444	92.44%
04	Cannot Match COA - street address with secondary	56	0.01%
06	Cannot Match COA - middle name conflict	1	0.00%
07	Cannot Match COA - gender conflict	0	0.00%
08	Cannot Match COA - conflicting instructions	1	0.00%
09	Cannot Match COA - high-rise default	3	0.00%
10	Cannot Match COA - rural default	0	0.00%
11	Cannot Match COA - insufficient COA name	1	0.00%
12	Cannot Match COA - middle name test failed	410	0.04%
13	Cannot Match COA - gender test failed	2	0.00%
15	Cannot Match COA - individual name insufficient	1	0.00%
16	Cannot Match COA - secondary number discrepancy	20	0.00%
17	Cannot Match COA - other insufficient name	0	0.00%
18	Cannot Match COA - general delivery	4	0.00%
20	Cannot Match COA - conflicting directions	0	0.00%
From "Daily Delete" Process			
66	Daily Delete	2,355	0.24%
Total NCOA^{Link} Return Codes		997,602	99.76%

NCOA^{Link} Processing Summary Report

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Job Information

Input Filename	dirtsta.dat
Processing Category	NORMAL
Pre-Processes	B
Concurrent Processes	N
Post-Processes	D
Standard Output	B
Matching Logic Applied	S - Standard (Business, Individual, and Family)
Data Returned	C
Class of Mail	A
Date Completed	12/16/2020
Date Returned	12/17/2020
Processes Used to Prepare List	CASS, LACS ^{Link} , Suite ^{Link} , DPV, eLot, EWS and NCOA ^{Link}
Product Version	48 Month Hash

Customer & Licensee Information

NCOA ^{Link} Platform ID	FBDP
Licensee Company Name	Lorton Data Inc
Service Provider Type	Full
Customer ID	00DJUZ
Customer Company Name	Lorton Data, Inc.
Customer PAF ID	FBDP5182102400DJUZ
List Name	Voter list

Statistics

Total Records Processed	1,000,000
Records ZIP + 4 Coded	993,241
Records DPV Confirmed	993,524
LACS ^{Link} Matches	4,229
Suite ^{Link} Matches	0
NCOA ^{Link} Matches	70,304