

## FreeNCOA.COM's Data Dictionary

### Default NCOA, DPV and LACS Appended Fields

#### Field Descriptions:

Field Name	Description
Salutation	The formal greeting before a person's name, such as Mr. or Ms.
First Name	The addressee's first name. Used in individual Move Update lookups.
Middle Name	The addressee's middle name or initial. Used for some individual Move Update lookups.
Last Name	The addressee's last name. Used in individual Move Update lookups.
Full Name	The addressee's full name. This field either generates the Salutation, First Name, Middle Name, Last Name and Name Suffix fields or is assembled from these fields.
Title	The addressee's formal title, such as Director or President.
Name Suffix	The suffix after the addressee's name, such as Jr. or Sr. Used in some individual Move Update lookups.
Email	The e-mail address of the addressee.
Web Address	The Web site URL for this record.
Business	The business name of this address. Used during business Move Update lookups and Address Correction using SuiteLink.
Address Line 1	The first and primary address line. Required for most wizards.
Address Line 2	Secondary address information for this record. Optional, but will be used if present.
City	The city for this address. Required for most wizards.
State	The state for this address. Required for most wizards.
ZIP Code	The state for this address. Required for most wizards. A nine-digit ZIP + 4 Code will be generated for any address that is successfully corrected.
City State ZIP Code	This field is assembled from the three individual fields named. While this field is not used directly, the component fields are all required.
Urbanization	The urbanization for addresses in Puerto Rico. Used in most wizard, but only for addresses located in Puerto Rico.
Country	The country for this address. Addresses outside of the US will not be corrected during Address Correction nor will they receive postage discounts.
Delivery Point Barcode	This field contains a delivery point barcode for a successfully corrected address. For this field to display properly, you must print it using the included SatBar font in 16 point size.
Carrier Route	The carrier route number for this address. This is generated for a successfully corrected address.
Census Block Group	The census block group in which this address falls. This is the smallest unit for which the Census Bureau publishes sample data. You must have additional Geocode

	processing run to generate this data.
Census Tract	The census tract in which this address falls. A census tract contains several census block groups and generally corresponds to city, town or other administrative borders. You must have additional Geocode processing run to generate this data.
Congressional Dist	The congressional district that serves this address. You must have additional Geocode processing run to generate this data.
County FIPS	A five-digit Federal Information Processing Standard (FIPS) code that identifies the county in which this address resides. Generated during Address Correction.
County Name	The name of the county in which this address resides. Generated during Address Correction.
Default Matched	This field will be checked if the primary address was validated during Address Correction, but the address was missing secondary address information.
Delivery Point	A two-digit code that identifies the individual mail delivery location for this address. Generated during Address Correction.
DPV CMRA	This field will be checked if the address is a commercial mail-receiving agent (CMRA).
DPV Validated	This field will be checked if this address was validated by DPV during Address Correction.
DPV Footnotes	<p>One or more two-character footnotes that indicate the DPV processing results for this address:</p> <p>LK - Processing locked out due to a seed record being processed.</p> <p>AA - Matched to the ZIP+4 file.</p> <p>A1 - No match with the ZIP+4 file.</p> <p>BB - Matched to the DPV file (all address components confirmed).</p> <p>CC - Matched only after removing secondary information; secondary information was present, but invalid.</p> <p>N1 - Input primary address matched, but missing secondary number.</p> <p>M1 - Primary number missing.</p> <p>M3 - Primary number invalid.</p> <p>P1 - Input missing PO, RR or HC box number.</p> <p>P3 - Failed DPV because of invalid PO, RR or HC box number.</p> <p>RR - Matched CMRA (found in CMRA file).</p> <p>R1 - Matched CMRA, but secondary number (i.e., PMB) missing.</p> <p>U1 - Matched unique ZIP Code.</p>

	<p>G1 - Matched general delivery address.</p> <p>F1 - Matched military address.</p>
DPV Indicator	<p>A single character that indicates how this address was verified with DPV:</p> <p>Y - Both the primary and secondary address information (if present) validated with DPV.</p> <p>S - The primary address is valid according to DPV, but the secondary is invalid.</p> <p>D - The primary address is valid according to DPV, but the address is missing secondary information.</p> <p>N - The primary address is not valid according to DPV.</p> <p>"r;" - The address was not processed by DPV because it lacks components needed for the lookup. This usually means the record is not ZIP + 4 coded.</p> <p>X - The DPV database has been locked-out because of a protocol violation; you must unlock DPV before any more addresses can be processed.</p> <p>E - The DPV data file is more than 105 days old; by USPS restrictions, no more addresses can be processed.</p>
Error Code	<p>The error code returned for this address after address correction. All addresses will receive an error code, regardless of whether they were corrected successfully or not. See Table 1.2 DPV Error Codes &amp; Descriptions</p>
Error Description	<p>A description of the error code returned for this address. See Table 1.2 DPV Error Codes &amp; Descriptions</p>
LACS Flag	<p>This field will be checked during address correction if this address was changed from a rural route to a street address because of LACS matching.</p>
LACS Footnote	<p>Indicates the result of LACS matching:</p> <p>"r;" - Not processed / Seed record.</p> <p>00 - No match.</p> <p>09 - Matched to default high-rise address; address not updated.</p> <p>14 - Match failure to build new address. New Address Would Not Convert at Run Time – The input record matched to a record in the master file. The new address could not be converted to a deliverable address.</p> <p>92 - Match secondary dropped from input. – The input record matched to a master file record, but the input address had a secondary number and the master file record did not</p>

	A - Match success. The input record matched to a record in the master file. A new address could be furnished.
Latitude	The latitude of an address. You must have paid and selected this to generate this data.
Longitude	The longitude of an address. You must have paid and selected this to generate this data.
LOT Number	The line-of-travel number for an address. This data is generated during Address Correction and used in carrier route sorts.
MSA Code	The Metropolitan Statistical Area into which this address falls. The MSA indicates the greater metropolitan area in which an address falls. You must have additional Geocode processing run to generate this data.
PMB Number	The private mailbox number for an address.
Post-Directional	The directional indicator after the street name, such as 100 Main St. <b>N</b> . Will be automatically taken from complete address lines.
Pre-Directional	The directional indicator before the street name, such as 100 <b>North</b> Main St. Will be automatically taken from complete address lines.
Primary Number	The house number before a street name, such as <b>100</b> Main St. Will be automatically taken from complete address lines.
Record Type	The type of address record this is: <ul style="list-style-type: none"> <li>• <b>S</b> - Street record</li> <li>• <b>P</b> - Post Office box</li> <li>• <b>R</b> - Rural Route or Highway Contract</li> <li>• <b>H</b> - High-rise, Building, or Apartment</li> <li>• <b>F</b> - Firm Record</li> <li>• <b>G</b> - General Delivery</li> <li>• <b>M</b> - Multi-Carrier Record</li> </ul>
Street Name	The street name portion of an address, such as 100 <b>Main</b> St. Will be automatically taken from complete address lines.
Street Suffix	The street type suffix after the street name, such as 100 Main <b>St</b> . Will be automatically taken from complete address lines.
SuiteLink Footnote	A character that indicates the results of SuiteLink processing: <p>"r;" – Was not processed by with SuiteLink: the address did not qualify for a lookup. Only default high-rise addresses qualify.</p> <p>A – The address was processed and secondary information was added to the resulting address.</p> <p>00 – The address was processed, but did not result in a successful match; no secondary information was added.</p>
Unit Designator	The unit type for an address, such as 100 Main St. <b>Apt. 1</b> . Will be automatically taken from complete address lines.
Unit Number	The unit number for an address, such as 100 Main St. <b>Apt. 1</b> . Will be automatically taken from complete address lines.

Move Effective Date	If the Move Update Wizard found an updated address for this record, this field will contain the date that this change becomes effective.
Move Type	A character that indicates the type of move returned:  I – Individual  F – Family  B – Business
Match Flag	A character that indicates the results from Move Update processing:  M – Matched; New address found, record updated.  F – Foreign Move; new address unavailable.  K – No forwarding address; new address unavailable.  G – PO box closed; new address unavailable.  N – No match  X – Other, unable to process this address for move information - unknown error.
NCOALink Footnote	A two-digit code that provides more information on the results of Move Update processing. See Table 1.1 NCOA <sup>Link</sup> Footnotes
Original Address Line 1	The value of Address Line 1 before Move Update processing.
Original Address Line 2	The value of Address Line 2 before Move Update processing.
Original City	The value of City before Move Update processing.
Original State	The value of State before Move Update processing.
Original ZIP Code	The value of ZIP Code before Move Update processing.
Marked	This field will be checked if this record was marked, either manually in a view or while reviewing duplicates.

**Table 1.1 NCOALink Footnotes**

NCOA <sup>Link</sup> Return Code	Footnote Description
A	COA Match: The input record was matched to the master file. A new address could be furnished.
91	COA Match: Secondary Number dropped from COA - The input record matched to a master file record, but the master file record had a secondary number and the input address did not.

92	COA Match: Secondary Number Dropped from input address - The input record matched to a master file record, but the input address had a secondary number and the master file record did not.
1	Found COA: Foreign Move - The input record matched to the master file but new address was outside USPS delivery area.
2	Found COA: Moved Left No Address - The input record matched to the master file but new address not provided to USPS.
3	Found COA: Box Closed No Order - The Input record matched a PO Box that has been closed without a forwarding address provided.
4	Found COA: Family Match: Street Address with Secondary - The input record matched to a family COA from a street address, which contained secondary information; the input record does not contain secondary information. This address match situation requires individual name matching logic to obtain a COA match and individual names do not match.
5	Found COA: New 11 digit DPBC is Ambiguous - The input record matched to the master file, but the new address could not be converted to a deliverable address because the DPBC represents more than one delivery point.
6	Cannot Match COA: Conflicting Directions: Middle Name Related - The input record matched to an individual move on the master file; however, there is more than one COA for the match algorithm and the middle names or initials on the COAs are different. Therefore, a single match result could not be determined.
7	Cannot Match COA: Conflicting Directions: Gender Related - The input record matched to an individual move on the master file; however, there is more than one COA for the match algorithm and the genders of the names on the COAs are different. Therefore, a single match result could not be determined.
8	Cannot Match COA: Other Conflicting Instructions - The input record matches to two COAs; the two address records in the master file were compared and due to differences in the new addresses, a match could not be made.
9	Cannot Match COA: Family Match: High Rise Default - The input record matched to a family COA from a High Rise address ZIP+4 coded to the building default. This address match situation requires individual name matching logic to obtain a COA match and individual names do not match.
10	Cannot Match COA: Family Match: Rural Default - The input record matched to a family COA from a Rural Route or Highway Contract Route address ZIP+4 coded to the route default. This address situation requires individual name matching logic to obtain a COA match and individual names do not match.

11	Cannot Match COA: Individual Match: Insufficient COA Name for Match - There is an individual record on the master file with the same surname and address but there is insufficient name information on the master file record to produce a match using individual matching logic.
12	Found COA: Middle Name Test Failed - There is a master file record for an individual move but the middle name or initial is not the same on the input and master file records.
13	Found COA: Gender Test Failed - There is a master file record for an individual move but the gender of the name on the input record conflicts with the gender of the name on the master file record.
14	Found COA: New Address Would Not Convert at Run Time - The input record matched to a master file record but the new address could not be converted to a deliverable address.
15	Found COA: Individual Name Insufficient - There is a master file record for an individual move; however, a match cannot be made because the input record or the master file record does not contain a first name or contains initials only.
16	Found COA: Secondary Number Discrepancy - There is a master file record for an individual move but there is conflicting secondary information on the input and master file records.
17	Found COA: Different First Name - There is a master file record for an individual move but the first name is not the same on the input and master file records.
18	Cannot Match COA: Family Match: General Delivery - The input record matched to a family COA from a General Delivery address. This address situation requires individual name matching logic to obtain a COA match and individual names do not match.
19	Found COA: New Address not ZIP+4 codeable - There is a change of address on file but the new address cannot be ZIP+4 coded and therefore there is no 11 digit DPBC to store or return.
20	Cannot Match COA: Conflicting Directions after re-chaining - Multiple master file records were potential matches for the input record; however, the master file records contained different new addresses and a single match result could not be determined.
66	Address deleted no forwarding allowed: The address was deleted from the mailing as the input record matched to a move, but no forwarding is allowed for the new address.
00	No Match: The submitted address could not be found in the NCOA database.

**Table 1.2 DPV Error Codes & Descriptions**

VALUE	DESCRIPTION
<b>Corrected</b>	
<i>0, 7, 8</i>	<i>No Changes</i>
0	No significant changes
7	Matched to unique ZIP Code; delivery address line not verified
8	Matched to general delivery ZIP Code; delivery address line not verified
<i>9, 10</i>	<i>LACS/SuiteLink Changes</i>
9	Address revised by LACS
10	Secondary information added by SuiteLink
<i>11-20</i>	<i>Special Situations</i>
11	Alias
12	ZIP move
13	Alternate match
<i>21-30</i>	<i>Last Line Changes</i>
21	City changed
22	City and state changed
23	City and ZIP Code changed
24	City, state and ZIP Code changed
25	ZIP Code changed
26	ZIP Code and State changed
27	State changed
<i>31-90</i>	<i>Delivery Address Line Changes</i>
31	Street name changed
32	Street name and suffix changed
33	Street name and Directional changed
34	Street name, suffix and directional changed
35	Street name and city changed
36	Street name, city and state changed
37	Street name, city and ZIP Code changed
38	Street name, city, state and ZIP Code changed
39	Street name and ZIP Code changed
40	Street name, ZIP Code and state changed

41	Street name and state changed
42	Street name, suffix and city changed
43	Street name, suffix, city and state changed
44	Street name, suffix, city and ZIP Code changed
45	Street name, suffix, city, state and ZIP Code changed
46	Street name, suffix and ZIP Code changed
47	Street name, suffix, ZIP Code and state changed
48	Street name, suffix and state changed
49	Street name, directional and city changed
50	Street name, directional, city and state changed
51	Street name, directional, city and ZIP Code changed
52	Street name, directional, city, state and ZIP Code changed
53	Street name, directional and ZIP Code changed
54	Street name, directional, ZIP Code and state changed
55	Street name, directional and state changed
56	Street name, suffix, directional and city changed
57	Street name, suffix, directional, city and state changed
58	Street name, suffix, directional, city and ZIP Code changed
59	Street name, suffix, directional, city, state and ZIP Code changed
60	Street name, suffix, directional and ZIP Code changed
61	Street name, suffix, directional, ZIP Code and state changed
62	Street name, suffix, directional and state changed
63	Suffix changed
64	Suffix and directional changed
65	Suffix and city changed
66	Suffix, city and state changed
67	Suffix, city and ZIP Code changed
68	Suffix, city, state and ZIP Code changed
69	Suffix and ZIP Code changed
70	Suffix, ZIP Code and state changed
71	Suffix and state changed
72	Suffix, directional and city changed
73	Suffix, directional, city and state changed
74	Suffix, directional, city and ZIP Code changed
75	Suffix, directional, city, state and ZIP Code changed
76	Suffix, directional, and ZIP Code changed
77	Suffix, directional, ZIP Code and state changed
78	Suffix, directional and state changed
79	Directional changed

80	Directional and city changed
81	Directional, city and state changed
82	Directional, city, and ZIP Code changed
83	Directional, city, state and ZIP Code changed
84	Directional and ZIP Code changed
85	Directional, ZIP Code and state changed
86	Directional and state changed
91-99	<i>DPV Warnings</i>
92	Failed DPV because of invalid secondary
93	Failed DPV because of missing secondary
<b>Uncorrected</b>	
111-120	<i>Last Line Parsing</i>
111	No input ZIP Code, no input state and no input city
112	No input ZIP Code and no input city
113	Foreign address
114	Could not parse last line from Address Block
211-220	<i>Last Line Retrieval</i>
211	No input ZIP Code, no input state and input city invalid
212	No input ZIP Code, input state invalid and input city invalid
213	Input ZIP Code invalid, no input state and input city invalid
214	Input ZIP Code invalid, input state invalid and input city invalid
215	Input ZIP Code invalid, no input city
216	Unique input ZIP Code does not match input city/state
311-320	<i>Address Line Parsing</i>
311	Could not parse a primary number from input data
312	Could not parse a street name from input data
313	Address lines blank
411-430	<i>Address Line Retrieval</i>
411	Primary number invalid
412	Street name invalid
413	Similar street names were found but with no exact matches
414	Multiple possible matches with different ZIP+4 Codes were found

415	Pre-directional required to choose from multiple possible matches
416	Post-directional required to choose from multiple possible matches
417	Suffix required to choose from multiple possible matches
418	Directional and suffix required to choose from multiple possible matches
419	Valid ZIP Code required to choose from multiple possible matches
420	Valid city name required to choose from multiple possible matches
421	Valid urbanization required to choose from multiple possible matches
422	Matched to undeliverable address; 5-digit coded
423	Matched to a record in the Early Warning System (EWS) file; an exact match will be possible with the next database update
491-499	<i>DPV Failures</i>
491	ZIP+4 coded but failed DPV because of invalid primary
492	ZIP+4 coded but failed DPV because of invalid secondary
493	ZIP+4 coded but failed DPV because of missing secondary
494	ZIP+4 coded but failed DPV because of invalid PO, RR, or HC box number