

Address Logics Record Group Codes

"Address Correction, Cleansing, and Standardization based on modern Genetic Coding principles."

Versions coded into Address Logics: 2012 - 10 - 30

Return Code	Action	Update Status	Error Info / Result Def	Reason
1000	NCOA Move	Record update / Mail	NCOA Match "M" is ANK 0	Good address NCOA match with move information.
1001	CASS Match	Record update / Mail	Full CASS with DPV	Good address with full CASS / DPV
1002	ALS Verified	Record update / Mail	ALS Flag "9"	Good address with block level verification
1003	ALS Verified	Record update / Mail	ALS Flag "5"	Good address, no block information available.
1004	CASS Match	Record update / Mail	Full CASS without DPV	Good address without DPV information.
1100	ALS Verified	Do not update / Mail	Verified Military Address	Good address, verified Zip, City, State
2000	Parseable, no match.	Do not update / Mail	ALS Flag "N" or 'No CASS'	Address could not be verified, high risk of return, record needs client attention.
2001	Not a parseable address.	Do not update / Mail	ALS Flag "T"	Not a valid address, high risk of return, record needs client attention.
2002	Foreign Address	Do not update / Mail	Unprocessed Foreign Address	Foreign address detected, high risk of return.
3000	NCOA Move ANK	Record update / Do not mail	NCOA Match "M" is ANK 1	CASS Address, NCOA match, no forwarding information. See 48 month NCOA.
3001	NCOA Box Closed	Record update / Do not mail	NCOA Match "G"	CASS Address, NCOA match, box closed, no forwarding information.
3002	NCOA Move No FWD	Record update / Do not mail	NCOA match "K"	CASS Address, NCOA match, no forwarding information available.
3003	NCOA move Foreign	Record update / Do not mail	NCOA match "F"	CASS Address, NCOA match, foreign country returned.
4000	No address information.	Do not update / Do not mail.	No Address Lines	No address data available, do not mail, record needs client attention.
4001	Unloadable address	Do not update / Do not mail.	No Address data found.	No address data to parse.
4002	No region	Do not update / Do not mail.	No City, State or Zip.	Missing City, State, Zip.

Address Logics Result Definition Codes

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Name

Input name data is returned exactly as submitted (minus special character filtering for parsing), except in the case where our name algorithm successfully detected a change for NCOA matching.

Address1

Updated address information is returned. If no updates were made, or the record could not be parsed, original data is always returned. (IE. if you submit 100 records, a matching 100 records will always be returned, including original data if no standardization change was possible.)

Address2

Postal standards do not use secondary address lines, even though mail is often sent with suite or apt numbers in the second line. Extraneous data may be included from Address1 that is not part of an official, recognized address.

City

Updated city address information is returned.

State

Updated state address information is returned.

Zip

Updated zip code information is returned. Zip-codes will always include zip+4 unless such information is not available.

RecordCode (Group Assist)

Record return codes for Group Assist. See page 1 above.

RecordInfo

'CASS without DPV'

The result address has been fully CASS certified but the street number is not in the USPS database. Remember that CASS certification assures that a city block exists with a number range that includes the street number, but that the USPS DPV database confirms actual street numbers.

'Full CASS with DPV'

The result address has been fully CASS certified and the street number confirmed in the USPS database.

'No address lines'

The input did not contain any street address information that could be used.

'No CASS'

The result address is not CASS certified. Not all valid addresses in the United States are serviced by postal automation equipment and, as such, cannot be CASS certified even if they have full Zip 5+4 zipcodes.

'No CASS and no ALS match'

The input could not be CASS certified even after attempts by the core Address Logics algorithms.

'No region'

The input was missing region information. An input address must have a zipcode, or if no zipcode then both city and state.

'No Result'

The input address was not processed.

'Terminally corrupt address'

The input address could not be parsed for any useful information and has not been processed.

'Unloadable address'

The input was missing substantial data and could not be used.

'Unprocessed foreign address'

The input address does not appear to be a United States address and was not processed. Future products will include Canadian processing.

'Verified military address'

The input address was verified against military postal requirements matching Address with City, State, and Zip.

Update

'Y' The address record has been updated from the original data.

'N' The address record has NOT been updated from the original data.

NCOA Match

Blank: No NCOA match

'M' Moved with forwarding address returned

'G' Box closed, no forwarding address found

'K' Moved, no forwarding address found

NCOA ANK

'O'

No NCOA match or the NCOA match occurred in the prior 1-18 months.

'1'

NCOA match is found but it is 19-48 months old. Address information for these moves is not returned.

NCOA MoveType

Blank: No NCOA match

'B' Business move

'I' Individual move

'F' Family move

NCOA MoveDate

Blank: No NCOA match, otherwise date of NCOA activity in YYYYMM format.

Business

'Y' Address record is a business.

'N' Address record is residential.

'-' Information not available.

Vacant

'Y' Address record is known to be vacant.

'N' Address record is known to be occupied.

'-' Information not available.

SystemCode

'T'

Unable to parse the address. No CASS or Address Logics processing is possible.

'5'

The letter went through the core Address Logics service because its input address could not be CASS certified. A 5 digit zipcode was found but city block containing the input street number could not be found.

'9'

The letter went through the core Address Logics service because its input address could not be CASS certified. A match was found that includes a city block containing the input street number. These are typically called "Address Logics Certified" and result in Zip 5+4 zipcodes.

'N'

The letter went through the core Address Logics service because its input address could not be CASS certified. No match was found.

'-'

(dash) The letter did not go through the core Address Logics service.

RecordID

This field is used for clients that wish to match returned records back into a database or other list. You may use any standard alpha-numeric characters up to 32 characters long.

AreaCode

Telephony area code for address record.

Latt

Geographical latitude information.

Long

Geographical longitude information.

StateFIPS

State FIPS number.

CountyFIPS

County FIPS number.

County

Address record county name.

RecordType

Address record type.

'G' General Delivery Record

- 'H' High Rise Record
- 'P' P.O. Box Record
- 'R' Rural Route Record
- 'S' Street Record

CassNotes

USPS CASS status information

CassError

USPS CASS error information.

CASS Barcode

Postal barcode including check digit. USPS PostalNet barcode FONT information can be found at <https://ribbs.usps.gov/index.cfm?page=intellmailmailpieces>

CongressDst

Address record congressional district number.

TimeZone

Address record time zone.

SuiteLink

'-' indicates information not available, otherwise address record business suite append information.

Before Move Address1

USPS NCOA information prior to move update.

Before Move Address2

USPS NCOA information prior to move update.

Before Move City

USPS NCOA information prior to move update.

Before Move State

USPS NCOA information prior to move update.

Before Move Zip

USPS NCOA information prior to move update.

DataField1

Miscellaneous unused data field.

DataField2

Miscellaneous unused data field.

DataField3

Miscellaneous unused data field.

USPS Standardized Address Example

<http://pe.usps.com/businessmail101/addressing/deliveryaddress.htm>

The delivery address is the most important information on your mailpiece. Use the following format for your delivery addresses:

Name or attention line:	JANE L MILLER
Company (optional):	MILLER ASSOCIATES
Delivery address:	1960 W CHELSEA AVE STE 2006
City, state, ZIP Code:	ALLENTOWN PA 18104

Automated mail processing machines read addresses on mailpieces from the bottom up and will first look for a city, state, and ZIP Code. Then the machines look for a delivery address. If the machines can't find either line, then your mailpiece could be delayed or misrouted. Any information below the delivery address line (a logo, a slogan, or an attention line) could confuse the machines and misdirect your mail.

Use the following guidelines:

- Always put the address and the postage on the same side of your mailpiece.
- On a letter, the address should be parallel to the longest side.
- All capital letters.
- No punctuation.
- At least 10-point type.
- One space between city and state.
- Two spaces between state and ZIP Code.
- Simple type fonts.
- Left justified.
- Black ink on white or light paper.
- No reverse type (white printing on a black background).
- If your address appears inside a window, make sure there is at least 1/8-inch clearance around the address. Sometimes parts of the address slip out of view behind the window and mail processing machines can't read the address.
- If you are using address labels, make sure you don't cut off any important information. Also make sure your labels are on straight. Mail processing machines have trouble reading crooked or slanted information.

TIPS

1. Always put the attention line on top -- never below the city and state or in the bottom corner of your mailpiece.

2. If you can't fit the suite or apartment number on the same line as the delivery address, put it on the line ABOVE the delivery address, NOT on the line below.
3. Words like "east" and "west" are called directionals and they are VERY important. A missing or a bad directional can prevent your mail from being delivered correctly.
4. Use the free ZIP Code Lookup and the ZIP+4 code lookup on the Postal Explorer website (left frame) to find the correct ZIP Codes and ZIP+4 codes for your addresses.
5. Almost 25% of all mailpieces have something wrong with the address -- for instance, a missing apartment number or a wrong ZIP Code. Can some of those mailpieces get delivered, in spite of the incorrect address? Yes. But it costs the Postal Service time and money to do that.
6. When a First-Class Mail letter is square, rigid or meets one or more of the nonmachinable characteristics it will be subject to a nonmachinable surcharge.
7. Sometimes it's not important that your mailpiece reaches a specific customer, just that it reaches an address. One way to do this is to use a generic title such as "Postal Customer" or "Occupant" or "Resident," rather than a name, plus the complete address.
8. Fancy type fonts such as those used on wedding invitations do not read well on mail processing equipment. Fancy fonts look great on your envelopes, but also may slow down your mail.
9. Use common sense. If you can't read the address, then automated mail processing equipment can't read the address.
10. Some types of paper interfere with the machines that read addresses. The paper on the address side should be white or light in color. No patterns or prominent flecks, please! Also, the envelope shouldn't be too glossy -- avoid shiny, coated paper stock.